

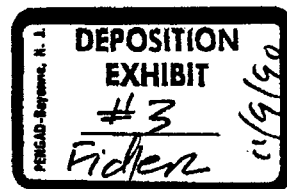
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5/74



SOLDERS & FLUXES



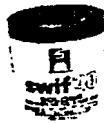
swif[®] solder

50/50 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Speeds sweat soldering and tinning jobs. Makes clean strong solder joints. One pound does the work of 3 to 4 pounds of wire solder plus flux. For copper, brass, galvanized steel, tin, iron, and all common metals—except aluminum and some grades of stainless steel. Fast, economical, easy to use. Same melting point and identical performance characteristics as equivalent alloy grade in wire, stick or bar solder. 4 oz., 1/2 lb., 1 lb., 3 lb.



swif 95[®]

95/5 Tin-Antimony alloy with flux in stable paste form for brush-on applications. Four times as strong as the 50/50 Tin-Lead grade. For use in sweat soldering and tinning where temperatures will range between 200°F and 250°F or where vibration or expansion and contraction may be encountered. Approved for food piping and processing—contains no lead. Fluxes, tins and solders in one operation. 1 lb., 3 lb.



swif 40[®]

40/60 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Slightly higher melting point than 50/50 and slightly less strength. 1 lb., 3 lb.



swif 50 ee[®]

50/50 Tin-Lead alloy with special non-corrosive flux in paste form. For electrical and electronic soldering. Can be used for many other soldering jobs. Apply to clean metal and heat. SWIF 60 EE available in 60/40 Tin-Lead alloy. 1 1/2 oz.



soldering paste

Smooth, easily applied paste flux. Aids solder in spreading faster, more uniformly. Prepares perfect sweat joints. 2oz., 1/2 lb., 1 lb.



score[™] paste flux

A unique self-cleaning, non-corrosive paste flux. Creamy-smooth consistency for easy brush-on applications without stirring. Patent Pending. Won't freeze to 0°F. Leaves no harmful corrosive residue. No wiping. Ideal for sweat soldering on most common metals. Makes clean, leak-free joints. Perfect for air conditioning systems—no residue to react with Freon or affect compressors. 2 oz., 4 1/2 oz., 12 oz.



score[™] liquid flux

A unique self-cleaning, non-corrosive liquid flux. Patent Pending. Won't freeze to +10°F. Leaves no harmful corrosive residue. No wiping. Ideal for sweat soldering on most common metals. Makes clean, leak-free joints. Perfect for air conditioning systems—no residue to react with Freon or affect compressors. 4 oz.



score heavy duty liquid flux

A unique self-cleaning, non-corrosive heavy duty flux. Patent Pending. Won't freeze to 0°F. Won't run or drip. Ideal for sweat soldering on most common metals. No wiping. Makes clean leak-free joints. Perfect for air conditioning systems—no residue to

2

THREAD SEALANTS, PIPE VALVES AND FITTINGS



tape dope[®]

Pipe joint compound in easy-to-use tape form. Clean; fast; for all threaded pipe, valves, fittings. Non-hardening, non-toxic. Withstands -450° to +500°F, 10,000 lbs. psi. For all types of pipe carrying acids, solvents, alkalis, steam, hot and cold water, LP gas, natural gas, oxygen and almost every chemical. Meets military specifications. 1/4", 1/2", 3/4" and 1" widths in 200", 500" and 750", 1 1/2" x 600" and 1,000" lengths. Also 1/2" x 30" and 90" carded.



tape dope lubricant

Used with TAPE DOPE on connections over 1 1/2". Applied to female connection, lubricating film prevents tearing of tape and assures leak-free joints. Container makes up to 150-2" joints. Recommended for aluminum, stainless steel; glass, rusty, nicked or poor threads. 2 oz.



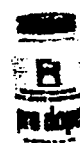
tuff-seal[®]

Rope for packing, gaskets; washers. Seals valve stems, flanges. -450° to +500°F, 10,000 lbs. psi. Steam, water, acids, alkalis, solvents, petroleum products, hydraulic fluids, refrigerants; few limitations. Ferrous, non-ferrous, glass and plastic equipment. Retains lubricity; won't harden or wash out. Molds to any size, shape. Clean, non-toxic. Safe for food; distilled water; oxygen. 3/32" x 100", 240", 600", 5/32" x 180", 7/32" x 180", 3/32" x 24" carded.



pipe joint compound

Non-setting formula is a smooth, prepared paste. Makes leak-proof joints. Water, natural gas, steam, ammonia, dilute acids and alkalis. Approved for natural gas. Meets military specifications. 1 1/2 oz. tubes, 1/2 pt. (1 lb.), 1 pt. (2 lb.), cans. 5 lb., 1 gal. (12 1/2 lb.), 5 gal. (65 lb.).



pro dope[®]

No drip—no spill, pipe joint compound. For metal pipe and valves carrying natural gas, water, air, steam, ammonia, dilute acids and alkalis. No mixing; will not harden; absolutely uniform throughout can. Lubricates as it forms a tight pressure seal. Contains no lead, inhibits rust and corrosion, wipes clean from hands. Approved for natural gas. Meets military spec. 1/2 pt. (1 lb.), 1 pt. (2 lb.), 5 lb., 1 gal., 5 gal.



grrip[®]

All-purpose, leak-proof, non-hardening, pipe joint and gasket seal. Semi-liquid; brushable; forms tough pliable film on joints, valves, flanges and gaskets. For pipes, pumps, tanks and equipment carrying steam, water, oil, gasoline, natural & LP gas, anti-freeze, refrigerants, lubricants, glycerine, solvents, brine and other gases, liquids and chemicals. -65° to +410°F, 11,500 lbs. psi. 1/2 pt., 1/2 pt., 1 qt., 1 gal.

3

DRAIN AND WASTE SYSTEM CLEANERS



wham® Dissolves and controls grease, slime, soap, detergents and odors in waste systems. Clears and conditions drains, septic tanks, cesspools, grease traps and drain fields. Non-caustic, non-acid. Selectively destroys odor-producing bacteria. Harmless to digestive bacteria. Regular use keeps drains and waste systems functioning properly. Cures the problem of grease-clogged soil, restoring porosity and maximum drainage.

E.P.A. Reg. No. 7687-2.

1 qt., 1 gal., 5 gal., 55 gal.



clobber® For Professional Use Only — This product provides the fastest method for clearing emergency waste line stoppages. No mechanical equipment needed. Rapidly disintegrates paper, rags, sanitary napkins, food scraps and all organic matter. Melts grease and ice. Special inhibitors in this strong acid prevent corrosion and make it safe for use in cast iron, copper, and steel piping. Child-proof caps. Each jug packed in plastic bag.

1 qt., ½ gal. plastic jugs with Saf-T-Por spouts.



sizzle® For professional use only. Effectively removes lime, rust, scale, concrete, hard mineral deposits, insoluble salts from water systems, waste lines, humidifiers, heating, processing, air conditioning equipment. Dissolves urinary salts. Scientific inhibitors make it safe for iron, steel, copper, brass, bronze, lead, plastic. pH test kit determines when system is ready to be restored to service.

1 qt., 1 gal., plastic jug with SAF-T-POR Spouts, 15 gal.



drain pipe cleaner

Free-flowing, dry crystals clear clogged and sluggish drains. Dissolves hair, grease, lint and organic matter. Generates substantial heat which aids rapid clearing. Contains aluminum to speed reaction. Works with cold water. Special fumeless formula also available.

20 oz., 34 oz. with child-proof caps, 5 lb., 25 lb.



R-D root destroyer

Clears and prevents root-blocked sewer lines. Contains no caustics or acids—harmless to skin or clothing. A systemic formula specifically for the elimination and prevention of root growth in sewer lines. Safe to use in lines leading to septic tanks. Works only on live roots—will not harm trees or shrubs. E.P.A. Reg. No. 7687-1.

2 lb., 50 lb.



septic tank and cesspool cleaner

Dissolves grease and organic matter in clogged, sluggish or malfunctioning cesspools, septic tanks and grease traps. Organic solids are rapidly liquefied and drainage conditions improved. Ideal for emergency use to eliminate back-up and overflow.

5 lb., 25 lb.

4

COLD SOLDERS AND CALKING COMPOUNDS



sta put

A stainless plastic putty which will not harden, crumble, crack or shrink. A flexible, stretchable compound for professional use in setting bowls, fixtures, faucets, basin cocks, strainers, plugs, sink frames and other sealing and calking applications requiring a stainless, plastic putty with excellent adhesive qualities. Will not stick to hands. Meets federal specifications HHC-536A.

1 lb., 3 lb., 5 lb., 20 lb.



plastic seal

Strong, versatile, all-purpose repair product. Excellent lead substitute for calking soil pipe joints. One pound equals 8 pounds of calking lead. Repairs cracked, broken, or leaking pipe; enamelware; china; cast iron and clay soil pipe. Seals sand holes. Sands to a feather finish when dry. Withstands pressure on water, gas, steam and oil lines.

10 oz., 22 oz.



plastic seal solvent

High purity solvent for use with Plastic Seal. Thins Plastic Seal to make a brushable coating. Cleans Plastic Seal from adjacent surfaces, skin and clothing. Softens and removes bonds made with Plastic Seal. Helps maintain desirable working characteristics of Plastic Seal.

½ pt.



roof and flashing cement

A special bituminous composition with superior adhesion under severest weather conditions. Improved, heavy, paste-like consistency; easily applied with trowel or putty knife. Adheres to wet or moist surfaces; can be applied in rain. Forms durable, flexible weather-proof coating around flashings, cooling towers, skylights. Adheres to concrete, metal, tile, roofing and masonry. Excellent for patching, repairs and general water proofing. Meets or exceeds Federal Specifications.

1 qt., 1 gal., 5 gal.

5

BOILER AND HEATING SYSTEM STOP-LEAKS



base hit

Hydronic system leak preventer. Seals leaks throughout entire system and eliminates costly call backs. Works fast and does not clog vents, valves, pneumatic tanks, coils or controls. Normal operation of the system is not affected. "One shot" application is left in the system for continuing protection against call backs on new installations and stopping leaks on old jobs. Equally effective on steel, cast iron, copper. Works on hot water heating and chilled water cooling systems.

12 oz., 1 gal., 5 gal.



boiler liquid

Proven liquid product for lasting repairs of cracked or leaking steam and hot water heating boilers. Will not clog system or controls. Withstands high pressures. Cannot cause odors, priming or foaming. Boiler cleaners will not affect repairs made with this product. Ideal for new and old installation. Will not clog valves or vents.

1 qt., 1 gal., 5 gal.



boiler solder

Free flowing powder makes a strong repair on cracked steam or hot water heating boilers. On contact with air, hardens into a strong seal which expands and contracts with boiler metal. Once set, seal will not be dislodged by boiler cleaners. Does not interfere with normal boiler operation. Works well on old or new jobs.

1 lb., 50 lb.

6

BOILER AND HEATING SYSTEM CLEANERS AND COMPOUNDS



scout

No-mixing, non-toxic, odorless, steam boiler cleaner stops priming, surging in 10 minutes. Cleans dirtiest boiler fast, no draining or flushing, while boiler operates normally. Removes rust, scale, oil, foam and other impurities. Leaves boiler water crystal clear. Assures trouble free start ups on new boilers, peak efficiency on old ones. Eliminates a major cause of pipe hammer. Safely used on food service, process equipment, sensitive applications.

115 gram, 15 lb.



boiler & heating system cleaner

White emulsion assists rust and scale removal. Emulsifies oil, grease. Inhibits rust in new and old boiler jobs. No draining or flushing in moderately dirty boilers. Has special anti-foam agent. General purpose boiler cleaner, rust preventive.

1 qt., 1 gal., 5 gal.



fuel oil sludge treat

Helps eliminate burner breakdowns from sludge and water in fuel oil and tanks. Disperses sludge, emulsifies water. Increases fuel tank life, minimizes breakdowns from clogged lines, strainers, nozzles.

1 qt., 1 gal., 5 gal.



JET-SPRAY soot destroyer

Aerosol spray application removes costly, fuel-consuming accumulations of soot. For systems, heaters, burners using all types of fuel (oil, gas, kerosene, LP gas, wood, coal, etc.) One can equals 5 to 6 lbs. of old-fashioned powders. Sprays hard to reach places. Harmless to metals. Leaves no residue. Has no explosives.

15 oz. spray



flip-stick

SOOT DESTROYER Toss-in pack for clean, easy, effective soot removal. No mixing, measuring, spraying. No package to open. Flip the stick into the hot chamber or firebox. Flip-Stick removes costly fuel consuming deposits of soot and carbon. For oil, gas, coal, coke, and wood heating units. Non-explosive. Approved by State of Conn. Dept. of State Police, Hartford, Permit No. 136.

4 oz. (also carded twin packs).



furnace cement

High-Temperature asbestos compound. Ready-to-use for setting up furnaces, ranges, stoves. Makes joints acid-proof, gas-proof, smoke-proof, fireproof. Will not crumble when dry.

1 lb., 5 lb.



for heat's sake

RETORT/FURNACE CEMENT

Withstands temperatures to +3000°F. Won't shrink or crack. For use on furnaces, fireboxes, boilers, stoves, combustion chambers, and many other furnace and refractory applications. Adheres to firebrick, iron, wood, or stone surfaces for a non-porous, fire-proof, acid-proof seal. Won't freeze to +10°F.

7

CUTTING OILS AND PENETRATING OILS



cutting oil (clear)

Recommended for hand threading applications. A blend of high quality oils with a sulphur base. Meets exacting thread-cutting requirements and prolongs the life of dies and chasers. Will not stain brass or copper.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.



cutting oil (dark)

For high speed machine thread requirements. Superior blend of quality oils with a sulphur-lard base. Keeps machine cool—protects valuable dies. Enables operator to cut precision perfect threads.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.



penetrating oil

Fast-acting, powerful penetrant quickly frees rusted and "frozen" parts. No odor. Contains Molybdenum Disulfide for high-speed penetration and smooth release. Lubricates as it penetrates.

1/2 pt., 1 pt., 1 qt., 1 gal.

JET-
STREAM

penetrating oil



"Jet-Stream" aerosol application saves times and assures pinpoint control. Quick penetration. No wasted over-spray. Entirely safe for metals—won't harm painted surfaces. For speedy release of "frozen," rusted or corroded parts. Contains Molybdenum Disulfide for improved lubrication and easy release.

14 oz. aerosol cans.

8

PAINTS MAINTENANCE AND CLEANING COMPOUNDS



JET SPRAY enamel

A superior quality spray enamel for use on interior exterior surfaces. Provides a washable, rug waterproof finish on wood, metal, and ceramics. No lead form dries in minutes to form a lasting, non toxic surface. Available seven attractive colors: high gloss red, green, blue, gray, white aluminum, and flat black.

13 oz. aerosol



JET SPRAY hi-heat aluminum coating

Sprays bright, even, heat resistant aluminum coating on metal surface. Withstands continuous 500°F temperature peak temperatures up to 1000°F. Will not peel, blister. Perfect tanks, piping, radiators, valves, ranges. Not paint—but long-lasting impervious coating.

15 oz. aerosol



black magic® asphalt paint

Concentrated, fast drying, high gloss black asphalt paint. Contains extra concentration of Gilsonite for permanent waterproof and rustproof protection. For furnaces, boilers, piping, tanks, sheet-metal. Weather resistant.

1 qt., 1 gal., 5 gal.



cream hand cleaner

Cleans hands thoroughly with or without water. Removes oil, grease, paint, putty, carbon, adhesives—and much more. Contains purified lanolin. Prevents chapped hands. Leaves no greasy, sticky film or unpleasant odor.

15 oz., 30 oz., 4 1/2 lb.



toilet bowl cleaner

No rubbing—no scrubbing. Vigorous chemicals remove unsightly dirt and stains. Harmless to toilet bowls. Flowing powder sprinkles easily. Restores bright, sparkling finish. Pleasantly scented.

20 oz.



rust and stain remover

Ugly rust and stains disappear from enamel, porcelain, tile, chrome, steel and many other surfaces. Cleaning powder in sprinkle-top can works fast. Restores gleaming finish in minutes.

14 oz.



tile and porcelain cleaner

Cleans and polishes tile, porcelain, metals and other hard, non-porous surfaces. A subdued scent and light sudsing supplement efficient cleansing ingredients. Gets dirt and stains in a jiffy.

14 oz.



blot-o® OIL ABSORBER. Absorbs many times its weight in oils, water, greases and other liquids. Makes slippery floors safe. Does not react chemically. Provides footling and fire retarding action.

50 lb.

9

BOLTS, BRUSHES, AND ACCESSORIES

swif dwv and plastic pipe cement brush

One inch wide, natural bristle brush. Speeds application of material on larger size pipe and fittings. Uniformly applies enough material in one stroke—saves time.

acid brushes

5 1/2" metal shaft, natural bristle brush. For smooth even flux application.

pipe dope brush

8 inch, round extra-strong natural bristle brush. Applies Pipe Joint Compound uniformly and deeply into the root of threads—in one stroke.

hand cleaner dispenser

Sturdy push-type dispenser. Fits Hercules and most other 4 1/2 lb. hand cleaner brands.

johni-bolt[®]

Patented, solid brass closet bolt with time saving snap-off slot and captive washer. Comes in 5/16" and 1/4" diameters. Packed in plastic bags, one complete set (two bolts, two washers, two cap nuts) per bag.

johni-ring^{T.M.} wax gaskets

100% pure high grade wax gasket. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble, or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.

johni-ring^{T.M.} wax gasket with plastic horn

100% pure high grade wax gasket with sturdy polyethylene plastic horn. Horn fits 3" and 4" wastes. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.

Hercules products are sold through recognized wholesale suppliers to the Plumbing, Heating, Air Conditioning, Industrial, Electrical, Hardware and allied trades.

Every Hercules product is sold with a replacement or refund guarantee, assuring complete satisfaction to the user.

Careful quality control and exhaustive experimentation and testing provide the highest degree of product uniformity and effectiveness.

Hercules' experience since 1915 is pledged to make available to you the practical results of vigorous advanced research and scientific development.

HERCULES
CHEMICAL
COMPANY
INCORPORATED
EIGHTY-FOUR FIFTH AVENUE
NEW YORK, NEW YORK 10011
TELEPHONE 212 389 0000
CABLE ADDRESS HERCHEMCO



1976



SOLDERS & FLUXES

swif® solder 50/50 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Speeds sweat soldering and tinning jobs. Makes clean strong solder joints. One pound does the work of 3 to 4 pounds of wire solder plus flux. For copper, brass, galvanized steel, tin, iron, and all common metals—except aluminum and some grades of stainless steel. Fast, economical, easy to use. Same melting point and identical performance characteristics as equivalent alloy grade in wire, stick or bar solder. 4 oz., 1/2 lb., 1 lb., 3 lb.

swif 95® 95/5 Tin-Antimony alloy with flux in stable paste form for brush-on applications. Four times as strong as the 50/50 Tin-Lead grade. For use in sweat soldering and tinning where temperatures will range between 200°F and 250°F or where vibration or expansion and contraction may be encountered. Approved for food piping and processing—contains no lead. Fluxes, tins and solders in one operation. 1 lb., 3 lb.

swif 40® 40/60 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Slightly higher melting point than 50/50 and slightly less strength. 1 lb., 3 lb.

swif 50 ee® 50/50 Tin-Lead alloy with special non-corrosive flux in paste form. For electrical and electronic soldering. Can be used for many other soldering jobs. Apply to clean metal and heat. 1 1/4 oz.

soldering paste Smooth, easily applied paste flux. Aids solder in spreading faster, more uniformly. Prepares perfect sweat joints. 2 oz., 1/2 lb., 1 lb.

score™ paste flux A unique self-cleaning, non-corrosive paste flux. Creamy-smooth consistency for easy brush-on applications without stirring. Patented. Won't freeze to 0°F. Leaves no harmful corrosive residue. No wiping. Ideal for sweat soldering on most common metals. Makes clean, leak-free joints. Perfect for air conditioning systems—no residue to react with Freon or affect compressors. 2 oz., 4 oz., 12 oz.

score™ liquid flux A unique self-cleaning, non-corrosive liquid flux. Patented. Won't freeze to +10°F. Leaves no harmful corrosive residue. No wiping. Ideal for sweat soldering on most common metals. Makes clean, leak-free joints. Perfect for air conditioning systems—no residue to react with Freon or affect compressors. 4 oz.

score™ heavy duty liquid flux A unique self-cleaning, non-corrosive heavy duty flux. Patented. Won't freeze to 0°F. Won't run or drip. Ideal for sweat soldering on most common metals. No wiping. Makes clean leak-free joints. Perfect for air conditioning systems—no residue to react with Freon or affect compressors. 4 oz.

THREAD SEALANTS, PIPE VALVES AND FITTINGS

tape dope® Pipe joint compound in easy-to-use tape form. Clean; fast; for all threaded pipe, valves, fittings. Non-hardening, non-toxic. Withstands -450° to +500°F. 10,000 lbs. psi. For all types of pipe carrying acids, solvents, alkalis, steam, hot and cold water, LP gas, natural gas, oxygen and almost every chemical. Meets military specifications. 1/4", 1/2", 3/4" and 1" widths in 200", 500" and 750", 1 1/4" x 600" and 1,000" lengths. Also 1/2" x 30" and 90" carded.

tape dope lubricant Used with TAPE DOPE on connections over 1 1/4". Applied to female connection, lubricating film prevents tearing of tape and assures leak-free joints. Container makes up to 150-2" joints. Recommended for aluminum, stainless steel; glass, rusty, nicked or poor threads. 2 oz.

tuff-seal® Rope for packing, gaskets, washers. Seats valve stems, flanges. -450° to +500°F. 10,000 lbs. psi. Steam, water, acids, alkalis, solvents, petroleum products, hydraulic fluids, refrigerants: few limitations. Ferrous, non-ferrous, glass and plastic equipment. Retains lubricity; won't harden or wash out. Molds to any size, shape. Clean, non-toxic. Safe for food; distilled water; oxygen. 3/32" x 100", 240", 600", 5/32" x 180", 7/32" x 180", 3/32" x 24" carded.

real-tuff™ Multi-purpose, heavy duty PTFE paste thread sealant. Non-toxic, non-separating. -200° to +550°F. 10,000 psi. Positive leak-proof seal on lines carrying LP & natural gas, acids, alkalis, gasoline, oils. Not recommended for oxygen lines. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal., 5 gal.

pipe joint compound

Non-settling formula is a smooth, prepared paste. Makes leak-proof joints. Water, natural gas, steam, ammonia, dilute acids and alkalis. Approved for natural gas. Meets military specifications. 1 1/4 oz. tubes. 1/4 pt. (1 lb.), 1 pt. (2 lb.), cans: 5 lb., 1 gal. (12 1/2 lb.), 5 gal. (65 lb.).

pro dope® No drip—no spill, pipe joint compound. For metal pipe and valves carrying natural gas, water, air, steam, ammonia, dilute acids and alkalis. No mixing. Will not harden; absolutely uniform throughout can. Lubricates as it forms a tight pressure seal. Contains no lead, inhibits rust and corrosion, wipes clean from hands. Approved for natural gas. Meets military spec. 1/2 pt. (1 lb.), 1 pt. (2 lb.), 5 lb., 1 gal., 5 gal.

grrip® All-purpose, leak-proof, non-hardening, pipe joint and gasket seal. Semi-rigid, brushable; forms tough pliable film on joints, valves and flanges and gaskets. For pipes, pumps, tanks and equipment carrying steam, water, oil, gasoline, natural gas, LP gas, anti-freeze, refrigerants, lubricants, glycerine, solvents, brine and other gases, liquids and chemicals. -410°F., 11,500 lbs. psi. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

DRAIN AND WASTE SYSTEM CLEANERS



wham®

Dissolves and controls grease, slime, soap, detergents and odors in waste systems. Clears and conditions drains, septic tanks, cesspools, grease traps and drain fields. Non-caustic, non-acid. Selectively destroys odor-producing bacteria. Harmless to digestive bacteria. Regular use keeps drains and waste systems functioning properly. Cures the problem of grease-clogged soil, restoring porosity and maximum drainage.

E.P.A. Reg. No. 7687-2.
1 qt., 1 gal., 5 gal., 55 gal.



clobber®

For Professional Use Only — This product provides the fastest method for clearing emergency waste line stoppages. No mechanical equipment needed. Rapidly disintegrates paper, rags, sanitary napkins, food scraps and all organic matter. Melts grease and ice. Special inhibitors in this strong acid prevent corrosion and make it safe for use in cast iron, copper, and steel

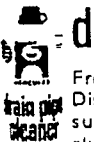
piping. Child-proof caps. Each jug packed in plastic bag.
1 qt., 1/2 gal. plastic jugs with Saf-T-Par spouts.



sizzle®

For professional use only. Effectively removes lime, rust, scale, concrete, hard mineral deposits, insoluble salts from water systems, waste lines, humidifiers, heating, processing, air conditioning equipment. Dissolves urinary salts. Scientific inhibitors make it safe for iron, steel, copper, brass, bronze, lead, plastic. pH test kit determines when system is ready to be restored to service. Child-proof caps.

1 qt., 1 gal., plastic jug with SAF-T-POR Spouts, 15 gal.



drain pipe cleaner

Free-flowing, dry crystals clear clogged and sluggish drains. Dissolves hair, grease, lint and organic matter. Generates substantial heat which aids rapid clearing. Contains aluminum to speed reaction. Works with cold water. Special fumeless formula also available.

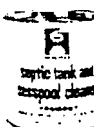
20 oz., 34 oz. with child-proof caps.



R-D root destroyer

Clears and prevents root-blocked sewer lines. Contains no caustics or acids—harmless to skin or clothing. A systemic formula specifically for the elimination and prevention of root growth in sewer lines. Safe to use in

lines leading to septic tanks. Works only on live roots—will not harm trees or shrubs. E.P.A. Reg. No. 7687-1.
2 lb., 50 lb.



septic tank and cesspool cleaner

Dissolves grease and organic matter in clogged, sluggish or malfunctioning cesspools, septic tanks and grease traps. Organic solids are rapidly liquefied and drainage conditions improved. Ideal for emergency use to eliminate back-up and overflow.

5 lb., 25 lb.

COLD SOLDERS AND CALKING COMPOUNDS



sta put®

A stainless plastic putty which will not harden, crumble, crack or shrink. A flexible, stretchable compound for professional use in setting bowls, fixtures, faucets, basin cocks, strainers, plugs, sink frames and other sealing and calking applications requiring a stainless, plastic putty with excellent adhesive qualities. Will not stick to hands. Meets federal specifications HHC-536A.

14 oz., 3 lb., 5 lb., 20 lb.



plastic seal®

Strong, versatile, all-purpose repair product.

Excellent lead substitute for calking soil pipe joints. One pound equals 8 pounds of calking lead. Repairs cracked, broken, or leaking pipe; enamelware; china; cast iron and clay soil pipe. Seals sand holes. Sands to a feather finish when dry. Withstands pressure on water, gas, steam and oil lines.

10 oz., 22 oz.



plastic seal solvent

High purity solvent for use with Plastic Seal. Thins Plastic Seal to make a brushable coating. Cleans Plastic Seal from adjacent surfaces, skin and clothing. Softens and removes bonds made with Plastic Seal. Helps maintain desirable working characteristics of Plastic Seal.

1/2 pt.



roof and flashing cement

A special bituminous composition with superior adhesion under severest weather conditions. Improved, heavy, paste-like consistency; easily applied with trowel or putty knife. Adheres to wet or moist surfaces; can be applied in rain.

Forms durable, flexible weather-proof coating around flashings, cooling towers, skylights. Adheres to concrete, metal, tile, roofing and masonry. Excellent for patching, repairs and general water proofing. Meets or exceeds Federal Specifications.

1 qt., 1 gal., 5 gal.



pro-poxy™

All purpose epoxy sealing putty. Seals, mends, bonds, repairs almost anything. Two-part epoxy compound, when mixed to a uniform color adheres

to almost all surfaces: metals, masonry, wood, glass, ceramics and most plastics. Withstands temperatures to 248°F. Compression strength 7,500 p.s.i., tensile strength 3,860 p.s.i. Electrically non-conductive. When cured may be painted, ground, filed, sanded, drilled.

8 oz.

BOILER AND HEATING SYSTEM STOP-LEAKS

base hit Hydronic system leak preventer. Seals leaks throughout entire system and eliminates costly call backs. Works fast and does not clog vents, valves, pneumatic tanks, coils or controls. Normal operation of the system is not affected. "One shot" application is left in the system for continuing protection against call backs on new installations and stopping leaks on old jobs. Equally effective on steel, cast iron, copper. Works on hot water heating and chilled water cooling systems.

12 oz., 1 gal., 5 gal.



boiler liquid Proven liquid product for lasting repairs of cracked or leaking steam and hot water heating boilers. Will not clog system or controls. Withstands high pressures. Cannot cause odors, priming or foaming. Boiler cleaners will not affect repairs made with this product. Ideal for new and old installations. Will not clog valves or vents.

1 qt., 1 gal., 5 gal.



boiler solder Free flowing powder makes a strong repair on cracked steam or hot water heating boilers. On contact with air, hardens into a strong seal which expands and contracts with boiler metal. Once set, seal will not be dislodged by boiler cleaners. Does not interfere with normal boiler operation. Works well on old or new jobs.

1 lb., 50 lb.

BOILER AND HEATING SYSTEM CLEANERS AND COMPOUNDS



scout No-mixing, non-toxic, odorless, steam boiler cleaner stops priming, surging in 10 minutes. Cleans dirtiest boiler fast, no draining or flushing, while boiler operates normally. Removes rust, scale, oil, foam and other impurities. Leaves boiler water crystal clear. Assures trouble free start ups on new boilers, peak efficiency on old ones. Eliminates a major cause of pipe hammer. Safely used on food service, process equipment, sensitive applications.

115 gram, 15 lb.



boiler & heating system cleaner

White emulsion assists rust and scale removal. Emulsifies oil, grease. Inhibits rust in new and old boiler jobs. No draining or flushing in moderately dirty boilers. Has special anti-foam agent. General purpose boiler cleaner, rust preventive.

1 qt., 1 gal., 5 gal.



fuel oil sludge treat

Helps eliminate burner breakdowns from sludge and water in fuel oil and tanks. Disperses sludge, emulsifies water. Increases fuel tank life, minimizes breakdowns from clogged lines, strainers, nozzles.

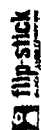
1 qt., 1 gal., 5 gal.



JET-SPRAY soot destroyer

Aerosol spray application removes costly, fuel-consuming accumulations of soot. For systems, heaters, burners using all types of fuel (oil, gas, kerosene, LP gas, wood, coal, etc.) One can equals 5 to 6 lbs. of old-fashioned powders. Sprays hard to reach places. Harmless to metals. Leaves no residue. Has no explosives.

15 oz. spray



flip-stick

SOOT DESTROYER Toss-in pack for clean, easy, effective soot removal. No mixing, measuring, spraying. No package to open. Flip the stick into the hot chamber or firebox. Flip-Stick removes costly fuel consuming deposits of soot and carbon. For oil, gas, coal, coke, and wood heating units. Non-explosive. Approved by State of Conn. Dept. of State Police, Hartford, Permit No. 136.

4 oz. (also carded twin packs).



furnace cement

High-Temperature asbestos compound. Ready-to-use for setting up furnaces, ranges, stoves. Makes joints acid-proof, gas-proof, smoke-proof, fireproof. Will not crumble when dry.

1 lb., 5 lb.



for heat's sake

RETORT/FURNACE CEMENT

Withstands temperatures to +3000°F. Won't shrink or crack. For use on furnaces, fireboxes, boilers, stoves and combustion chambers, and many other furnace and refractory applications. Adheres to firebrick, iron, wood, or stone surfaces for a non-porous, fire-proof, acid-proof seal. Won't freeze to +10°F.

1 lb., 5 lb., 1 gal. (15 lbs.), 2 gal. (30 lbs.)

7

CUTTING OILS AND PENETRATING OILS

cutting oil (clear)



Recommended for hand threading applications. A blend of high quality oils with a sulphur base. Meets exacting thread-cutting requirements and prolongs the life of dies and chasers. Will not stain brass or copper.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

cutting oil (dark)



For high speed machine thread requirements. Superior blend of quality oils with a sulphur-lard base. Keeps machine cool—protects valuable dies. Enables operator to cut precision perfect threads.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

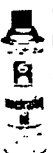
penetrating oil



Fast-acting, powerful penetrant quickly frees rusted and "frozen" parts. No odor. Contains Molybdenum Disulfide for high-speed penetration and smooth release. Lubricates as it penetrates.

1/4 pt., 1 pt., 1 qt., 1 gal.

JET-STREAM penetrating oil



"Jet-Stream" aerosol application saves times and assures pinpoint control. Quick penetration. No wasted over-spray. Entirely safe for metals—won't harm painted surfaces. For speedy release of "frozen," rusted or corroded parts. Contains Molybdenum Disulfide for improved lubrication and easy release.

14 oz. aerosol cans.

8

PAINTS MAINTENANCE AND CLEANING COMPOUNDS



JET SPRAY enamel

A superior quality spray enamel for use on interior and exterior surfaces. Provides a washable, rugged waterproof finish on wood, metal, and ceramics. No lead formula dries in minutes to form a lasting, non toxic surface. Available in seven attractive colors: high gloss red, green, blue, gray, white, aluminum, and flat black.

13 oz. aerosol



JET SPRAY hi-heat aluminum coating

Sprays bright, even, heat resistant aluminum coating on any metal surface. Withstands continuous 500°F temperatures, peak temperatures up to 1000°F. Will not peel, blister. Perfect for tanks, piping, radiators, valves, ranges. Not paint—but long-lasting impervious coating.

15 oz. aerosol



black magic® asphalt paint

Concentrated, fast drying, high gloss, black asphalt paint. Contains extra high concentration of Gilsonite for permanent waterproof and rustproof protection. For furnaces, boilers, piping, tanks, sheet-metal. Weather resistant.

1 qt., 1 gal., 5 gal.



cream hand cleaner

Cleans hands thoroughly with or without water. Removes oil, grease, paint, putty, carbon, ink, adhesives—and much more. Contains purified lanolin. Prevents chapped hands. Leaves no greasy, sticky film or unpleasant solvent odor.

15 oz., 4 1/2 lb.



toilet bowl cleaner

No rubbing—no scrubbing. Vigorous chemicals remove unsightly dirt and stains. Harmless to toilet bowls. Free flowing powder sprinkles easily. Restores bright, clean, sparkling finish. Pleasantly scented.

20 oz.



rust and stain remover

Ugly rust and stains disappear from enamel, porcelain, tile, chrome, steel and many other surfaces. Clean, white powder in sprinkle-top can works fast. Restores gleaming finish in minutes.

14 oz.



tile and porcelain cleaner

Cleans and polishes tile, porcelain, metals and other hard, non-porous surfaces. A subdued scent and light sudsing action supplement efficient cleansing ingredients. Gets dirt, grease and stains in a jiffy.

14 oz.

blot-o®

OIL ABSORBER. Absorbs many times its weight in oils, water, greases and other liquids. Makes slippery floors safe. Does not react chemically. Provides safe footing and fire retarding action.

9

BOLTS, BRUSHES, AND ACCESSORIES

swif dwv and plastic pipe cement brush

One inch wide, natural bristle brush. Speeds application of material on larger size pipe and fittings. Uniformly applies enough material in one stroke—saves time.

plastic pipe cement daubers

For clean, rapid application of cements and primers. Dauber shafts extend to the bottom of the cans for which they were designed. No wasted cement. No tipping of cans.
3/4" dia. (for 1/4 pt. can), 1 1/2" dia. (for 1/2 pt., 1 pt., and 1 qt. cans).

acid, flux and swif solder brushes

5 1/4" metal shaft, natural bristle brush.
For smooth even flux application.

pipe dope brush

8 inch, round extra-strong natural bristle brush. Applies Pipe Joint Compound uniformly and deeply into the root of threads—in one stroke.

hand cleaner dispenser

Sturdy push-type dispenser. Fits Hercules and most other 4 1/2 lb. hand cleaner brands.

10

PLASTIC PIPE CEMENTS

pvc cement-clear (blue label)



For PVC Types I & II potable water and DWV pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting cement. NSF and UPC approved. Conforms ASTM #D-2564.
1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

pvc cement-gray (gray label)



For PVC Types I & II potable water and DWV pipe and fittings. Heavy duty, high viscosity cement for Schedule 40 and 80 pipe and fittings up to 12" diameter. NSF and UPC approved.
1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

cpvc cement (orange label)



For CPVC 23447-B (ASTM #D-1784) potable water pipe and fittings. Medium viscosity, orange cement. For pipe and fittings up to 6" diameter. NSF and UPC approved. Conforms ASTM #D-2846.
1/4 pt., 1/2 pt., 1 pt.

primer for pvc & cpvc (purple label)



Recommended method to soften and prepare surface of PVC and CPVC pipe and fittings before applying solvent cements. UPC approved. Use clean dauber.
1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

pvc primer (red label)



Recommended method to soften and prepare surface of PVC pipe and fittings before applying solvent cement. UPC approved. Use clean dauber.
1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

abs cement (green label)



For ABS Types I & II potable water and DWV pipe and fitting up to 6" diameter. High viscosity, fast setting black cement. NSF and UPC approved. Conforms ASTM #D-2235.
1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



styrene cement (yellow label)

For Styrene DWV pipe and fittings up to 6" diameter. Medium viscosity, tan cement. Conforms ASTM #D-3122.
1/4 pt., 1 pt.

BOWL SETTINGS GASKETS AND BOLTS

JOHNI-BOLT


johni-bolt[®]

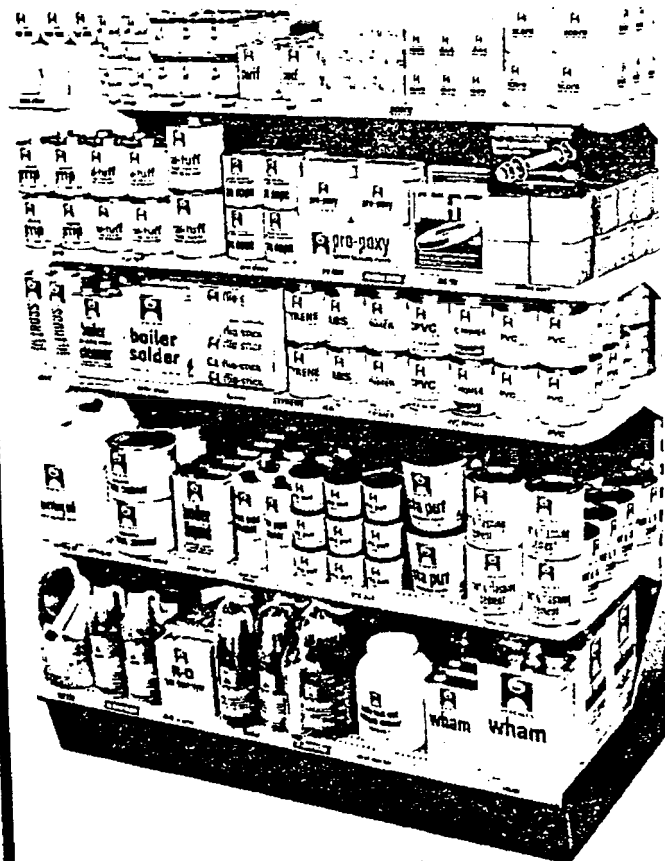
Patented, solid brass closet bolt with time saving snap-off slot and captive washer. Comes in 5/16" and 1/4" diameters. Packed in plastic bags, one complete set (two bolts, two washers, two cap nuts) per bag.


johni-ring^{T.M.} wax gaskets

100% pure high grade wax gasket. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble, or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.


johni-ring^{T.M.} wax gasket with plastic horn

100% pure high grade wax gasket with sturdy polyethylene plastic horn. Horn fits 3" and 4" wastes. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.



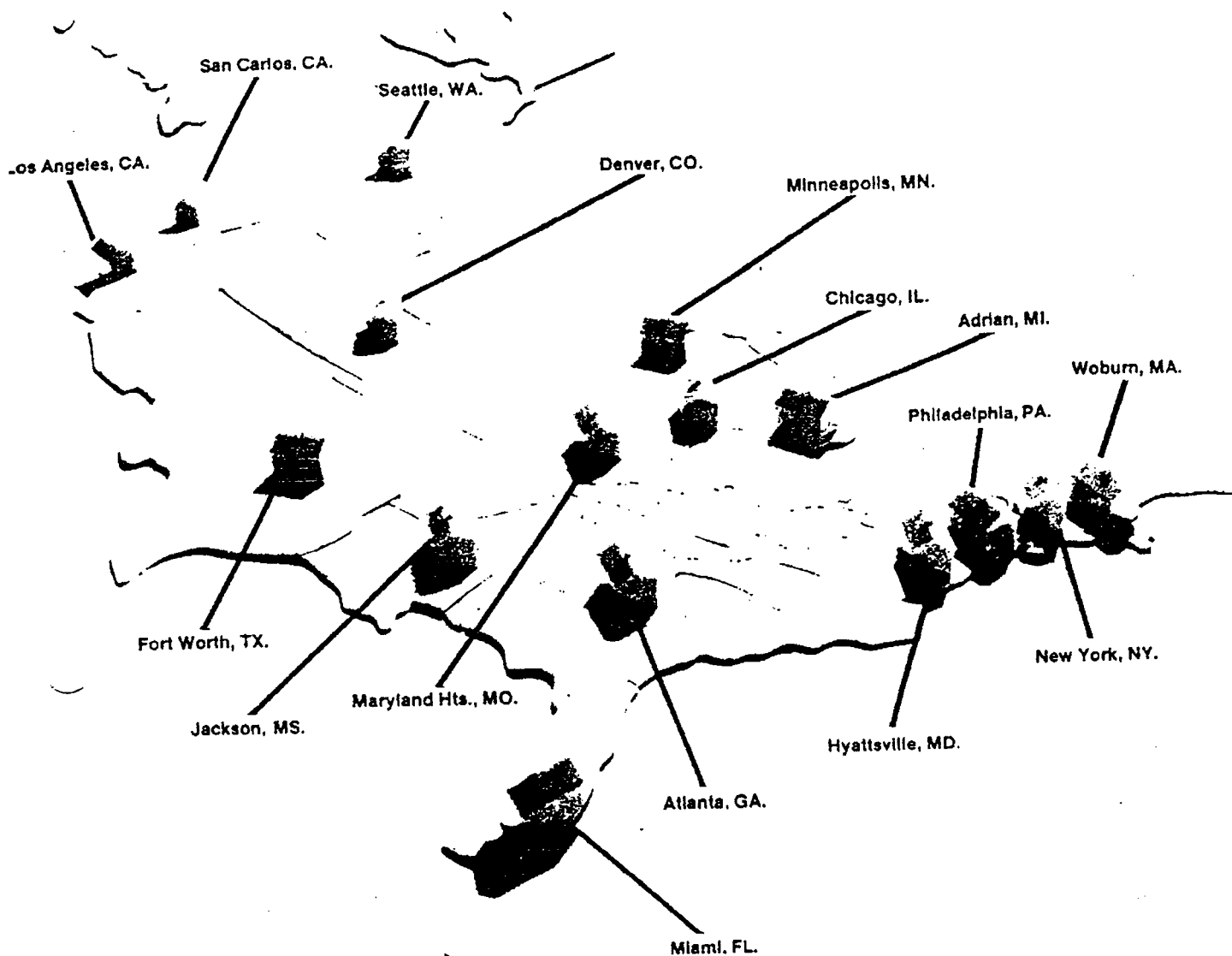
Hercules products are sold through recognize wholesale suppliers to the Plumbing, Heating, Air Conditioning, Industrial, Electrical, Hardware and allied trade.

Every Hercules product is sold with a replacement or refund guarantee, assuring complete satisfaction to the user.

Careful quality control and exhaustive experimentation and testing provide the highest degree of product uniformity and effectiveness.

Hercules' experience since 1915 is pledged to make available to you the practical results of vigorous advanced research and scientific development.

With Warehouses Here, There and Everywhere, Hercules is Your Neighborhood Chemical Company



To help you maintain balanced inventories and avoid costly overstocking, Hercules has established a national network of local warehouses run by authorized representatives.

Orders for Hercules products from wholesale distributors located in these areas are shipped from these warehouses, and billing is centrally processed by Hercules Chemical Company, Inc. in its general offices.



HERCULES CHEMICAL COMPANY, INC. - 84 Fifth Ave., N.Y.C. 10011



1977



SOLDERS & FLUXES

swif[®] solder 50/50 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Speeds sweat soldering and tinning jobs. Makes clean strong solder joints. One pound does the work of 3 to 4 pounds of wire solder plus flux. For copper, brass, galvanized steel, tin, iron, and all common metals—except aluminum and some grades of stainless steel. Fast, economical, easy to use. Same melting point and identical performance characteristics as equivalent alloy grade in wire, stick or bar solder. 4 oz., 1/2 lb., 1 lb., 3 lb.

swif 95[®] 95/5 Tin-Antimony alloy with flux in stable paste form for brush-on applications. Four times as strong as the 50/50 Tin-Lead grade. For use in sweat soldering and tinning where temperatures will range between 200°F and 250°F or where vibration or expansion and contraction may be encountered. Approved for food piping and processing—contains no lead. Fluxes, tins and solders in one operation. 1 lb., 3 lb.

swif 40[®] 40/60 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Slightly higher melting point than 50/50 and slightly less strength. 1 lb., 3 lb.

swif 50 ee[®] 50/50 Tin-Lead alloy with special non-corrosive flux in paste form. For electrical and electronic soldering. Can be used for many other soldering jobs. Apply to clean metal and heat. 1 1/2 oz.

soldering paste Smooth, easily applied paste flux. Aids solder in spreading faster, more uniformly. Prepares perfect sweat joints. 2 oz., 1/2 lb., 1 lb.

score[™] paste flux A unique self-cleaning, non-corrosive paste flux. Creamy-smooth consistency for easy brush-on applications without stirring. Patented. Won't freeze to 0°F. Leaves no harmful corrosive residue. No wiping. Ideal for sweat soldering on most common metals. Makes clean, leak-free joints. Perfect for air conditioning systems—no residue to react with Freon or affect compressors. 2 oz., 4 1/2 oz., 12 oz.

jel-flux[™] Specially formulated non-drip, non-runny, self-cleaning liquid flux for soft solder applications. Cleans and fluxes, retards oxide formation during heating, penetrates through oil film. For use on copper, brass, galvanized, tin, zinc and most commonly soldered metals. Not for use on aluminum. Conforms to Federal Spec O-F-506C. 4 fl. oz.

THREAD SEALANTS, GASKETS AND PACKING

tape dope[®] Pipe joint compound in easy-to-use tape form. Clean; fast; for all threaded pipe, valves, fittings. Non-hardening, non-toxic. Withstands -450° to +500°F. 10,000 lbs. psi. For all types of pipe carrying acids, solvents, alkalis, steam, hot and cold water, LP gas, natural gas, oxygen and almost every chemical. Meets military specifications. 1/4", 1/2", 3/4" and 1" widths in 200", 500" and 750", 1 1/2" x 600" and 1,000" lengths. Also 1/2" x 30" and 90" carded.

tape dope lubricant Used with TAPE DOPE on connections over 1 1/2". Applied to female connection, lubricating film prevents tearing of tape and assures leak-free joints. Container makes up to 150-2" joints. Recommended for aluminum, stainless steel; glass, rusty, nicked or poor threads. 2 oz.

tuff-seal[®] Rope for packing, gaskets, washers. Seals valve stems, flanges. -450° to +500°F. 10,000 lbs. psi. Steam, water, acids, alkalis, solvents, petroleum products, hydraulic fluids, refrigerants; few limitations. Ferrous, non-ferrous, glass and plastic equipment. Retains lubricity; won't harden or wash out. Molds to any size, shape. Clean, non-toxic. Safe for food; distilled water; oxygen. 3/32" x 100", 240", 600", 5/32" x 180", 7/32" x 180", 3/32" x 24" carded.

real-tuff[™] Multi-purpose, heavy duty PTFE paste thread sealant. Non-toxic, non-separating. -200° to +550°F. 10,000 psi. Positive leak-proof seal on lines carrying LP & natural gas, acids, alkalis, gasoline, oils. Not recommended for oxygen lines. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal., 5 gal.

pipe joint compound

Non-settling formula is a smooth, prepared paste. Makes leak-proof joints. Water, natural gas, steam, ammonia, dilute acids and alkalis. Approved for natural gas. Meets military specifications. 1 1/2 oz. tubes. 1/2 pt. (1 lb.), 1 pt. (2 lb.), cans. 5 lb., 1 gal. (12 1/2 lb.), 5 gal. (65 lb.).

pro dope[®] No drip—no spill, pipe joint compound. For metal pipe and valves carrying natural gas, water, air, steam, ammonia, dilute acids and alkalis. No mixing; will not harden; absolutely uniform throughout can. Lubricates as it forms a tight pressure seal. Contains no lead, inhibits rust and corrosion, wipes clean from hands. Approved for natural gas. Meets military spec. 1/2 pt. (1 lb.), 1 pt. (2 lb.), 5 lb., 1 gal., 5 gal.

grip[®] All-purpose, leak-proof, non-hardening, pipe joint and gasket seal. Semi-liquid, brushable; forms tough pliable film on joints, valves, flanges and gaskets. For pipes, pumps, tanks and equipment carrying steam, water, oil, gasoline, natural & LP gas, anti-freeze, refrigerants, lubricants, glycerine, solvents, brine and other gases, liquids and chemicals. -65° to -410°F. 11,500 lbs. psi. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

3

DRAIN AND WASTE SYSTEM CLEANERS



wham

wham® Dissolves and controls grease, slime, soap, detergents and odors in waste systems. Clears and conditions drains, septic tanks, cesspools, grease traps and drain fields. Non-caustic, non-acid. Selectively destroys odor-producing bacteria. Harmless to digestive bacteria. Regular use keeps drains and waste systems functioning properly. Cures the problem

of grease-clogged soil, restoring porosity and maximum drainage. E.P.A. Reg. No. 7687-2.

1 qt., 1 gal., 5 gal., 55 gal.



clobber® For Professional Use Only — This product provides the fastest method for clearing emergency waste line stoppages. No mechanical equipment needed. Rapidly disintegrates paper, rags, sanitary napkins, food scraps and all organic matter. Melts grease and ice. Special inhibitors in this strong acid prevent corrosion and make it safe for use in cast iron, copper, and steel

pipings. Child-proof caps. Each jug packed in plastic bag.

1 qt., 1/2 gal. plastic jugs with Saf-T-Por spouts.



sizzle® For professional use only. Effectively removes lime, rust, scale, concrete, hard mineral deposits, insoluble salts from water systems, waste lines, humidifiers, heating, processing, air conditioning equipment. Dissolves urinary salts. Scientific inhibitors make it safe for iron, steel, copper, brass, bronze, lead, plastic. pH test kit determines when system is ready to be restored to service. Child-proof caps.

1 qt., 1 gal., plastic jug with SAF-T-POR Spouts, 15 gal.



drain pipe cleaner

Free-flowing, dry crystals clear clogged and sluggish drains. Dissolves hair, grease, lint and organic matter. Generates substantial heat which aids rapid clearing. Contains aluminum to speed reaction. Works with cold water. Special fumeless formula also available.

20 oz., 34 oz. with child-proof caps.



R-D root destroyer

Clears and prevents root-blocked sewer lines. Contains no caustics or acids—harmless to skin or clothing. A systemic formula specifically for the elimination and prevention of root growth in sewer lines. Safe to use in

lines leading to septic tanks. Works only on live roots—will not harm trees or shrubs. E.P.A. Reg. No. 7687-1.

2 lb., 50 lb.



septic tank and cesspool cleaner

Dissolves grease and organic matter in clogged, sluggish or malfunctioning cesspools, septic tanks and grease traps. Organic solids are rapidly liquefied and drainage conditions improved. Ideal for emergency use to eliminate back-up and overflow.

5 lb., 25 lb.

4

COLD SOLDERS AND CALKING COMPOUNDS



sta put

sta put® A stainless plastic putty which will not harden, crumble, crack or shrink. A flexible, stretchable compound for professional use in setting bowls, fixtures, faucets, basin cocks, strainers, plugs, sink frames and other sealing and calking applications requiring a stainless, plastic putty with excellent adhesive qualities. Will not stick to hands. Meets federal specifications HHC-536A.

14 oz., 3 lb., 5 lb., 20 lb.



plastic seal

Strong, versatile, all-purpose repair product. Excellent lead substitute for calking soil pipe joints. One pound equals 8 pounds of calking lead. Repairs cracked, broken, or leaking pipe; enamelware; china; cast iron and clay soil pipe. Seals sand holes. Sands to a feather finish when dry. Withstands pressure on water, gas, steam and oil lines.

10 oz., 22 oz.



solvent

plastic seal solvent

High purity solvent for use with Plastic Seal. Thins Plastic Seal to make a brushable coating. Cleans Plastic Seal from adjacent surfaces, skin and clothing. Softens and removes bonds made with Plastic Seal. Helps maintain desirable working characteristics of Plastic Seal.

1/2 pt.



roof and flashing cement

A special bituminous composition with superior adhesion under severest weather conditions. Improved, heavy, paste-like consistency; easily applied with trowel or putty knife. Adheres to wet or moist surfaces; can be applied in rain.

Forms durable, flexible weather-proof coating around flashings, cooling towers, skylights. Adheres to concrete, metal, tile, roofing and masonry. Excellent for patching, repairs and general water proofing. Meets or exceeds Federal Specifications.

1 qt., 1 gal., 5 gal.



pro-poxy

All purpose epoxy sealing putty. Seals, mends, bonds, repairs almost anything. Two-part epoxy compound, when mixed to a uniform color adheres

to almost all surfaces: metals, masonry, wood, glass, ceramics and most plastics. Withstands temperatures to 248°F. Compression strength 7,500 p.s.i., tensile strength 3,860 p.s.i. Electrically non-conductive. When cured may be painted, ground, filed, sanded, drilled.

2 oz., 8 oz.

5

BOILER AND HEATING SYSTEM STOP-LEAKS



base hit

Hydronic system leak preventer. Seals leaks throughout entire system and eliminates costly call backs. Works fast and does not clog vents, valves, pneumatic tanks, coils or controls. Normal operation of the system is not affected. "One shot" application is left in the system for continuing protection against call backs on new installations and stopping leaks on old jobs. Equally effective on steel, cast iron, copper. Works on hot water heating and chilled water cooling systems.

12 oz., 1 gal., 5 gal.



boiler liquid

Proven liquid product for lasting repairs of cracked or leaking steam and hot water heating boilers. Will not clog system or controls. Withstands high pressures. Cannot cause odors, priming or foaming. Boiler cleaners will not affect repairs made with this product. Ideal for new and old installations. Will not clog valves or vents.

1 qt., 1 gal., 5 gal.



boiler solder

Free flowing powder makes a strong repair on cracked steam or hot water heating boilers. On contact with air, hardens into a strong seal which expands and contracts with boiler metal. Once set, seal will not be dislodged by boiler cleaners. Does not interfere with normal boiler operation. Works well on old or new jobs.

1 lb., 50 lb.

6

BOILER AND HEATING SYSTEM CLEANERS AND COMPOUNDS



scout

No-mixing, non-toxic, odorless, steam boiler cleaner stops priming, surging in 10 minutes. Cleans dirtiest boiler fast, no draining or flushing, while boiler operates normally. Removes rust, scale, oil, foam and other impurities. Leaves boiler water crystal clear. Assures trouble free start ups on new boilers, peak efficiency on old ones. Eliminates a major cause of pipe hammer. Safely used on food service, process equipment, sensitive applications.

115 gram, 15 lb.



boiler & heating system cleaner

White emulsion assists rust and scale removal. Emulsifies oil, grease. Inhibits rust in new and old boiler jobs. No draining or flushing in moderately dirty boilers. Has special anti-foam agent. General purpose boiler cleaner, rust preventive.

1 qt., 1 gal., 5 gal.



fuel oil sludge treat

Helps eliminate burner breakdowns from sludge and water in fuel oil and tanks. Disperses sludge, emulsifies water. Increases fuel tank life, minimizes breakdowns from clogged lines, strainers, nozzles.

1 qt., 1 gal., 5 gal.



JET-SPRAY soot destroyer

Aerosol spray application removes costly, fuel-consuming accumulations of soot. For systems, heaters, burners using all types of fuel (oil, gas, kerosene, LP gas, wood, coal, etc.) One can equals 5 to 6 lbs. of old-fashioned powders. Sprays hard to reach places. Harmless to metals. Leaves no residue. Has no explosives.

15 oz. spray



flip-stick

SOOT DESTROYER Toss-in pack for clean, easy, effective soot removal. No mixing, measuring, spraying. No package to open. Flip the stick into the hot chamber or firebox. Flip-Stick removes costly fuel consuming deposits of soot and carbon. For oil, gas, coal, coke, and wood heating units. Non-explosive. Approved by State of Conn. Dept. of State Police, Hartford, Permit No. 136.

4 oz. (also carded twin packs).



furnace cement

High-Temperature asbestos compound. Ready-to-use for setting up furnaces, ranges, stoves. Makes joints acid-proof, gas-proof, smoke-proof, fireproof. Will not crumble when dry.

1 lb., 5 lb.



for heat's sake

RETORT/FURNACE CEMENT

Withstands temperatures to +3000°F. Won't shrink or crack. For use on furnaces, fireboxes, boilers, stoves, combustion chambers, and many other furnace and refractory applications. Adheres to firebrick, iron, wood, or stone surfaces for a non-porous, fire-proof, acid-proof seal. Won't freeze to +10°F.

CUTTING OILS AND PENETRATING OILS

cutting oil (clear)



Recommended for hand threading applications. A blend of high quality oils with a sulphur base. Meets exacting thread-cutting requirements and prolongs the life of dies and chasers. Will not stain brass or copper.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

cutting oil (dark)



For high speed machine thread requirements. Superior blend of quality oils with a sulphur-lard base. Keeps machine cool—protects valuable dies. Enables operator to cut precision perfect threads.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

penetrating oil



Fast-acting, powerful penetrant quickly frees rusted and "frozen" parts. No odor. Contains Molybdenum Disulfide for high-speed penetration and smooth release. Lubricates as it penetrates.

1/2 pt., 1 pt., 1 qt., 1 gal.

JET-STREAM penetrating oil



"Jet-Stream" aerosol application saves times and assures pinpoint control. Quick penetration. No wasted over-spray. Entirely safe for metals—won't harm painted surfaces. For speedy release of "frozen," rusted or corroded parts. Contains Molybdenum Disulfide for improved lubrication and easy release.

14 oz. aerosol cans.

PAINTS MAINTENANCE AND CLEANING COMPOUNDS



iron ike™

Dissolves rust and iron stains quickly, easily on practically anything. Unlike many rust removers which are for use on metals only, IRON IKE has a wide range of uses on all kinds of materials and surfaces, metallic and non-metallic. Especially effective on water softeners, water heaters, toilets, tubs, tile, piping, stoves, tools and more. Contains no phosphoric acid, phosphates or chlorine. 20 oz., 5 lb.



JET SPRAY enamel

A superior quality spray enamel for use on interior and exterior surfaces. Provides a washable, rugged waterproof finish on wood, metal, and ceramics. No lead formula dries in minutes to form a lasting, non toxic surface. Available in seven attractive colors: high gloss red, green, blue, gray, white aluminum, flat black, yellow and copper. 13 oz. aerosol



JET SPRAY hi-heat aluminum coating

Sprays bright, even, heat resistant aluminum coating on any metal surface. Withstands continuous 500°F temperatures peak temperatures up to 1000°F. Will not peel, blister. Perfect for tanks, piping, radiators, valves, ranges. Not paint—but long-lasting impervious coating. 15 oz. aerosol



black magic® asphalt paint

Concentrated, fast drying, high gloss black asphalt paint. Contains extra high concentration of Gilsonite for permanent waterproof and rustproof protection. For furnaces, boilers, piping, tanks sheet-metal. Weather resistant. 1 qt., 1 gal., 5 gal.



cream hand cleaner

Cleans hands thoroughly with or without water. Removes oil, grease, paint, putty, carbon, ink adhesives—and much more. Contains purified lanolin. Prevent chapped hands. Leaves no greasy, sticky film or unpleasant solvent odor. 15 oz., 4 1/2 lb.



toilet bowl cleaner

No rubbing—no scrubbing. Vigorous chemicals remove unsightly dirt and stains. Harmless to toilet bowls. Free flowing powder sprinkles easily. Restores bright, clear sparkling finish. Pleasantly scented. 20 oz.



rust and stain remover

Ugly rust and stains disappear from enamel, porcelain tile, chrome, steel and many other surfaces. Clean, white powder in sprinkle-top can works fast. Restores gleaming finish in minutes. 14 oz.



tile and porcelain cleaner

Cleans and polishes tile, porcelain and other hard, non-porous surfaces. A subdued scent and light sudsing action supplement efficient cleansing ingredients. Gets dirt, grime and stains in a jiffy. 14 oz.

blot-o® OIL ABSORBER. Absorbs many times its weight in oils, water, greases and other liquids. Makes slippery floors safe. Does not react chemically. Provides self-footing and fire retarding action. 50 lb.

BOLTS, BRUSHES, AND ACCESSORIES

swif dwv and plastic pipe cement brush

One inch wide, natural bristle brush. Speeds application of material on larger size pipe and fittings. Uniformly applies enough material in one stroke—saves time.

plastic pipe cement daubers

For clean, rapid application of cements and primers. Dauber shafts extend to the bottom of the cans for which they were designed. No wasted cement. No tipping of cans.
 $\frac{1}{4}$ " dia. (for $\frac{1}{4}$ pt. can), $1\frac{1}{4}$ " dia. (for $\frac{1}{2}$ pt., 1 pt., and 1 qt. cans).

acid, flux and swif solder brushes

5 $\frac{1}{4}$ " metal shaft, natural bristle brush.
For smooth even flux application.

pipe dope brush

8 inch, round extra-strong natural bristle brush. Applies Pipe Joint Compound uniformly and deeply into the root of threads—in one stroke.

hand cleaner dispenser

Sturdy push-type dispenser. Fits Hercules and most other 4 $\frac{1}{2}$ lb. hand cleaner brands.

PLASTIC PIPE CEMENTS

pvc cement-clear (blue label)

For PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting cement. NSF and UPC approved. Conforms ASTM #D-2564.

$\frac{1}{4}$ pt., $\frac{1}{2}$ pt., 1 pt., 1 qt., 1 gal.



below-zero pvc cement-clear (blue label)

Made to withstand storage and shipping temperatures to -10°F. (-23°C.) for PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting; conforms to ASTM #D-2564.

1/2 pt., 1 pt., 1 qt.

pvc cement-gray (gray label)



For PVC Types I & II potable water, DWV and SW pipe and fittings. Heavy duty, high viscosity cement for Schedule 40 and 80 pipe and fittings up to 12" diameter. NSF and UPC approved.

$\frac{1}{4}$ pt., $\frac{1}{2}$ pt., 1 pt., 1 qt., 1 gal.

cpvc cement (orange label)



For CPVC 23447-B (ASTM #D-1784) potable water pipe and fittings. Medium viscosity. orange cement. For pipe and fittings up to 6" diameter. NSF and UPC approved. Conforms ASTM #D-2846.

$\frac{1}{4}$ pt., $\frac{1}{2}$ pt., 1 pt.

primer for pvc & cpvc (purple label)



Recommended method to soften and prepare surface of PVC and CPVC pipe and fittings before applying solvent cements. UPC approved. Use clean dauber.

$\frac{1}{2}$ pt., 1 pt., 1 qt., 1 gal.

pvc primer (red label)



Recommended method to soften and prepare surface of PVC pipe and fittings before applying solvent cement. UPC approved. Use clean dauber.

$\frac{1}{4}$ pt., $\frac{1}{2}$ pt., 1 pt., 1 qt., 1 gal.

abs cement (green label)



For ABS Types I & II potable water, DWV and SW pipe and fitting up to 6" diameter. High viscosity, fast setting black cement. NSF and UPC approved. Conforms ASTM #D-2235.

$\frac{1}{4}$ pt., $\frac{1}{2}$ pt., 1 pt., 1 qt., 1 gal.



styrene cement (yellow label)

For Styrene DWV pipe and fittings up to 6" diameter. Medium viscosity. tan cement. Conforms ASTM #D-3122.

$\frac{1}{2}$ pt., 1 pt.

BOWL SETTING GASKETS AND BOLTS



johni-bolt[®] Patented, solid brass closet bolt with time saving snap-off slot and captive washer. Comes in 5/16" and 1/4" diameters. Packed in plastic bags, one complete set (two bolts, two washers, two cap nuts) per bag.



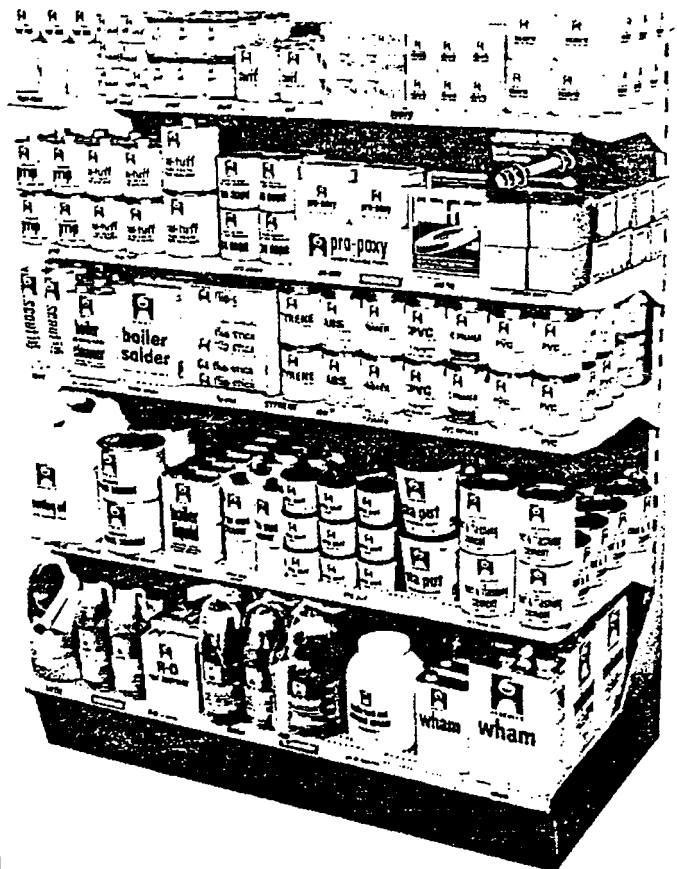
johni-ring[™] wax gaskets

100% pure high grade wax gasket. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble, or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.



johni-ring[™] wax gasket with plastic horn

100% pure high grade wax gasket with sturdy polyethylene plastic horn. Horn fits 3" and 4" wastes. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.



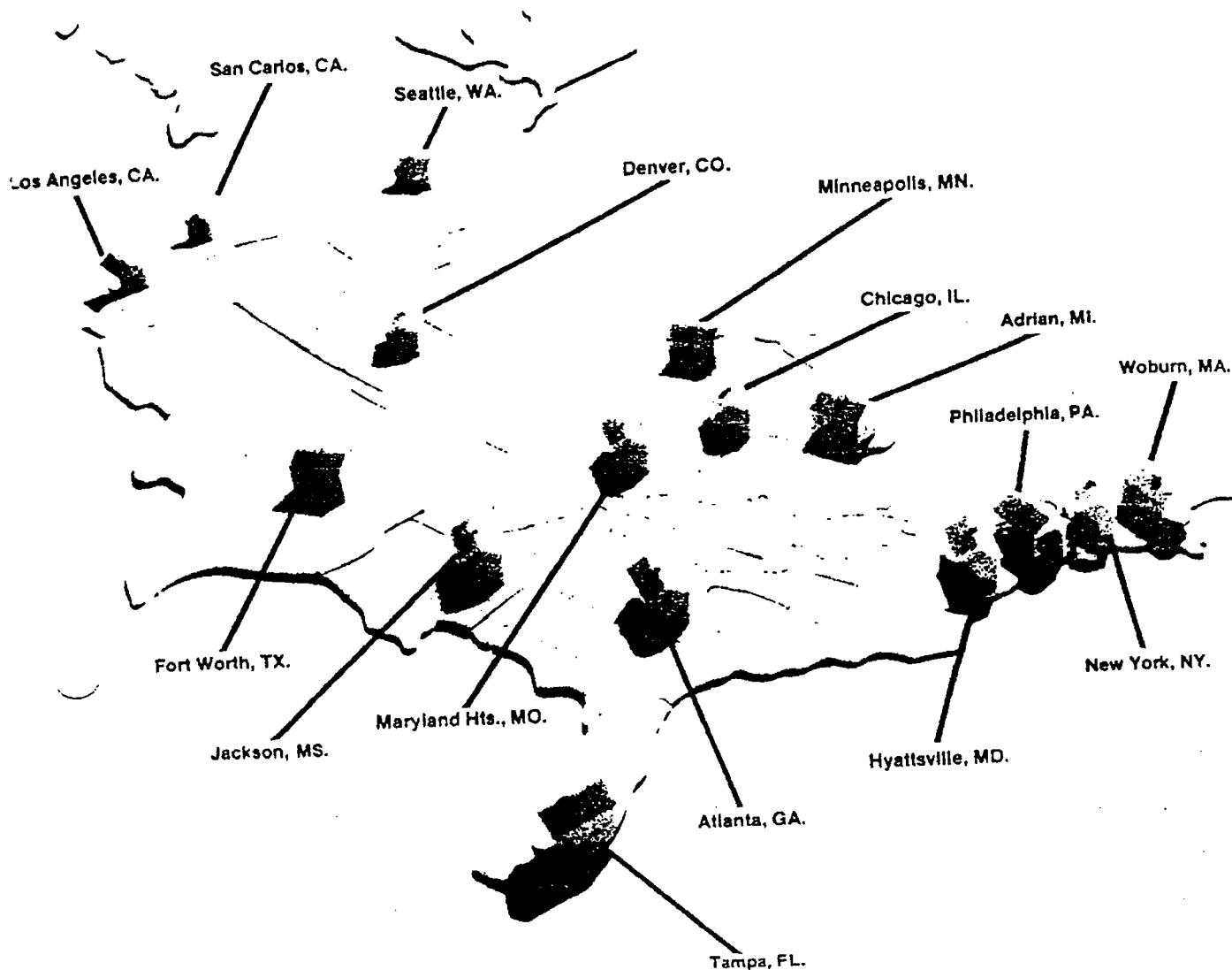
Hercules products are sold through recognized wholesale suppliers to the Plumbing, Heating, Air Conditioning, Industrial, Electrical, Hardware and allied trades.

Every Hercules product is sold with a replacement or refund guarantee, assuring complete satisfaction to the user.

Careful quality control and exhaustive experimentation and testing provide the highest degree of product uniformity and effectiveness.

Hercules' experience since 1915 is pledged to make available to you the practical results of vigorous advanced research and scientific development.

With Warehouses Here, There and Everywhere, Hercules is Your Neighborhood Chemical Company



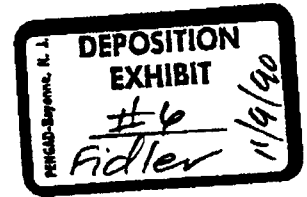
To help you maintain balanced inventories and avoid costly overstocking, Hercules has established a national network of local warehouses run by authorized representatives.

Orders for Hercules products from wholesale distributors located in these areas are shipped from these warehouses, and billing is centrally processed by Hercules Chemical Company, Inc. in its general offices.



HERCULES CHEMICAL COMPANY, INC. - 84 Fifth Ave., N.Y.C. 10011

2/79



SOLDERS & FLUXES



swif[®] solder 50/50 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Speeds sweat soldering and tinning jobs. Makes clean strong solder joints. One pound does the work of 3 to 4 pounds of wire solder plus flux. For copper, brass, galvanized steel, tin, iron, and all common metals—except aluminum and some grades of stainless steel. Fast, economical, easy to use. Same melting point and identical performance characteristics as equivalent alloy grade in wire, stick or bar solder. 4 oz., 1 lb., 3 lb.



swif 95[®] 95/5 Tin-Antimony alloy with flux in stable paste form for brush-on applications. Four times as strong as the 50/50 Tin-Lead grade. For use in sweat soldering and tinning where temperatures will range between 200°F and 250°F or where vibration or expansion and contraction may be encountered. Approved for food piping and processing—contains no lead. Fluxes, tins and solders in one operation. 1 lb., 3 lb.



swif 40[®] 40/60 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Slightly higher melting point than 50/50 and slightly less strength. 1 lb., 3 lb.



swif 50 ee[®] 50/50 Tin-Lead alloy with special non-corrosive flux in paste form. For electrical and electronic soldering. Can be used for many other soldering jobs. Apply to clean metal and heat. 1 1/4 oz.



soldering paste Self-cleaning formula. Smooth, easily applied paste flux. Aids solder in spreading faster, more uniformly. Prepares perfect sweat joints. 2 oz., 1/2 lb., 1 lb.



score[®] paste flux A unique self-cleaning, non-corrosive paste flux. Creamy-smooth consistency for easy brush-on applications without stirring. Patented. Won't freeze to 0°F. Leaves no harmful corrosive residue. No wiping. Ideal for sweat

soldering on most common metals. Makes clean, leak-free joints. Perfect for air conditioning systems—no residue to react with Freon or affect compressors. 2 oz., 4 1/4 oz., 12 oz.



jel-flux[™] Specially formulated non-drip, non-runny, self-cleaning liquid flux for soft solder applications. Cleans and fluxes, retards oxide formation during heating, penetrates through oil film. For use on copper, brass, galvanized, tin, zinc and most commonly soldered metals. Not for use on aluminum. Conforms to Federal Spec

O-F-506C. 4 fl. oz.

THREAD SEALANTS, GASKETS AND PACKING



tape dope[®]

Pipe joint compound in easy-to-use tape form. Clean; fast; for all threaded pipe, valves, fittings. Non-hardening, non-toxic. Withstands -450° to +500°F. 10,000 lbs. psi. For all types of pipe carrying acids, solvents, alkalis, steam, hot and cold water, LP gas, natural gas, oxygen and almost every chemical. Meets military specifications. 1/4", 1/2", 3/4" and 1" widths in 200", 500" and 750", 1 1/4" x 600" and 1,000" lengths. Also 1/4" x 30" and 90" carded.



tape dope lubricant

Used with TAPE DOPE

on connections over 1 1/4". Applied to female connection, lubricating film prevents tearing of tape and assures leak-free joints. Container makes up to 150-2" joints. Recommended for aluminum, stainless steel; glass, rusty, nicked or poor threads. 2 oz.



tuff-seal[®]

Rope for packing, gaskets, washers. Seals valve

stems, flanges. -450° to +500°F. 10,000 lbs. psi. Steam, water, acids, alkalis, solvents, petroleum products, hydraulic fluids, refrigerants; few limitations. Ferrous, non-ferrous, glass and plastic equipment. Retains lubricity; won't harden or wash out. Molds to any size, shape. Clean, non-toxic. Safe for food; distilled water; oxygen. 3/32" x 100", 240", 600", 5/32" x 180", 7/32" x 180", 3/32" x 24" carded.



real-tuff[™]

Multi-purpose, heavy duty PTFE paste thread sealant.

Non-toxic, non-separating. -200° to +550°F. 10,000 psi. Positive leak-proof seal on lines carrying LP & natural gas, acids, alkalis, gasoline, oils. Not recommended for oxygen lines. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal., 5 gal.



pipe joint compound

Non-settling formula is a smooth, prepared paste. Makes leak-proof joints. Water, natural gas, steam, ammonia, dilute acids and alkalis. Approved for natural gas. Meets military specifications.

1 1/2 oz. tubes. 1/4 pt. (1 lb.), 1 pt. (2 lb.), cans. 5 lb., 1 gal. (12 1/2 lb.), 5 gal. (65 lb.).



pro dope[®]

No drip—no spill, pipe joint compound. For metal pipe and valves carrying natural gas, water, air, steam, ammonia, dilute acids and alkalis. No mixing; will not harden; absolutely uniform throughout can. Lubricates as it forms a tight pressure seal. Contains no lead, inhibits rust and corrosion, wipes clean from hands. Approved for natural gas. Meets military spec. 1/4 pt. (1 lb.), 1 pt. (2 lb.), 5 lb., 1 gal., 5 gal.



grrip[®]

All-purpose, leak-proof, non-hardening, pipe joint and gasket seal. Semi-liquid; brushable; forms tough pliable film on joints, valves, flanges and gaskets. For pipes, pumps, tanks and equipment carrying steam, water, oil, gasoline, natural & LP gas, anti-freeze, refrigerants, lubricants, glycerine, solvents, brine and other gases, liquids and chemicals. -65° to +410°F., 11,500 lbs. psi. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

DRAIN AND WASTE SYSTEM CLEANERS



wham® Dissolves and controls grease, slime, soap, detergents and odors in waste systems. Clears and conditions drains, septic tanks, cesspools, grease traps and drain fields. Non-caustic, non-acid. Selectively destroys odor-producing bacteria. Harmless to digestive bacteria. Regular use keeps drains and waste systems functioning properly. Cures the problem of grease-clogged soil, restoring porosity and maximum drainage. E.P.A. Reg. No. 7687-2.

1 qt., 1 gal., 5 gal., 55 gal.



clobber® For Professional Use Only — This product provides the fastest method for clearing emergency waste line stoppages. No mechanical equipment needed. Rapidly disintegrates paper, rags, sanitary napkins, food scraps and all organic matter. Melts grease and ice. Special inhibitors in this strong acid prevent corrosion and make it safe for use in cast iron, copper, and steel piping. Child-proof caps. Each jug packed in plastic bag.

1 qt., 1/2 gal. plastic jugs with SAF-T-POR Spouts.



sizzle® For professional use only. Effectively removes lime, rust, scale, concrete, hard mineral deposits, insoluble salts from water systems, waste lines, humidifiers, heating, processing, air conditioning equipment. Dissolves urinary salts. Scientific inhibitors make it safe for iron, steel, copper, brass, bronze, lead, plastic. pH test kit determines when system is ready to be restored to service. Child-proof caps.

1 qt., 1 gal., plastic jug with SAF-T-POR Spouts, 15 gal.



drain pipe cleaner

Free-flowing, dry crystals clear clogged and sluggish drains. Dissolves hair, grease, lint and organic matter. Generates substantial heat which aids rapid clearing. Contains aluminum to speed reaction. Works with cold water. Special fumeless formula also available.

20 oz., 34 oz. with child-proof caps.



R-D root destroyer

Clears and prevents root-blocked sewer lines. Contains no caustics or acids—harmless to skin or clothing. A systemic formula specifically for the elimination and prevention of root growth in sewer lines. Safe to use in

lines leading to septic tanks. Works only on live roots—will not harm trees or shrubs. E.P.A. Reg. No. 7687-1.

2 lb., 50 lb.



septic tank and cesspool cleaner

Dissolves grease and organic matter in clogged, sluggish or malfunctioning cesspools, septic tanks and grease traps. Organic solids are rapidly liquefied and drainage conditions improved. Ideal for emergency use to eliminate back-up and overflow.

5 lb., 25 lb.

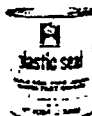
COLD SOLDERS AND CALKING COMPOUNDS



sta put®

A stainless plastic putty which will not harden, crumble, crack or shrink. A flexible, stretchable compound for professional use in setting bowls, fixtures, faucets, basin cocks, strainers, plugs, sink frames and other sealing and calking applications requiring a stainless, plastic putty with excellent adhesive qualities. Will not stick to hands. Meets federal specifications HHC-536A.

14 oz., 3 lb., 5 lb., 20 lb.



plastic seal®

Strong, versatile, all-purpose repair product.

Excellent lead substitute for calking soil pipe joints. One pound equals 8 pounds of calking lead. Repairs cracked, broken, or leaking pipe; enamelware; china; cast iron and clay soil pipe. Seals sand holes. Sands to a feather finish when dry. Withstands pressure on water, gas, steam and oil lines.

10 oz., 22 oz.



roof and flashing cement

A special bituminous composition with superior adhesion under severest weather conditions. Improved, heavy, paste-like consistency; easily applied with trowel or putty knife. Adheres to wet or moist surfaces; can be applied in rain.

Forms durable, flexible weather-proof coating around flashings, cooling towers, skylights. Adheres to concrete, metal, tile, roofing and masonry. Excellent for patching, repairs and general water proofing. Meets or exceeds Federal Specifications.

1 qt., 1 gal., 5 gal.



pro-proxy®

All purpose epoxy sealing putty. Seals, mends, bonds, repairs almost anything. Two-part epoxy compound. When mixed to a uniform color adheres

to almost all surfaces: metals, masonry, wood, glass, ceramics and most plastics. Withstands temperatures to 248°F. Compression strength 7,500 p.s.i., tensile strength 3,860 p.s.i. Electrically non-conductive. When cured may be painted, ground, filed, sanded, drilled.

2 oz., 8 oz.

5

BOILER AND HEATING SYSTEM STOP-LEAKS

 **base hit II** Hydronic system leak preventer. Seals leaks throughout entire system and eliminates costly call backs. Works fast and does not clog vents, valves, pneumatic tanks, coils or controls. Normal operation of the system is not affected. "One shot" application is left in the system for continuing protection against call backs on new installations and stopping leaks on old jobs. Equally effective on steel, cast iron, copper. Works on hot water heating and chilled water cooling systems. Contains silicones. Recommended for use on all hydronic systems including those with rubber or plastic components. 12 oz., 1 gal., 5 gal.

 **boiler liquid** Proven liquid product for lasting repairs of cracked or leaking steam and hot water heating boilers. Will not clog system or controls. Withstands high pressures. Cannot cause odors, priming or foaming. Boiler cleaners will not affect repairs made with this product. Ideal for new and old installations. Will not clog valves or vents. Recommended for use on all hydronic systems including those with rubber or plastic components. 1 qt., 1 gal., 5 gal.

 **boiler solder** Free flowing powder makes a strong repair on cracked steam or hot water heating boilers. On contact with air, hardens into a strong seal which expands and contracts with boiler metal. Once set, seal will not be dislodged by boiler cleaners. Does not interfere with normal boiler operation. Works well on old or new jobs. Recommended for use on all hydronic systems including those with rubber or plastic components. 1 lb., 50 lb.

6

BOILER AND HEATING SYSTEM CLEANERS AND COMPOUNDS



scout® No-mixing, non-toxic, odorless, steam boiler cleaner stops priming, surging in 10 minutes. Cleans dirtiest boiler fast, no draining or flushing, while boiler operates normally. Removes rust, scale, oil, foam and other impurities. Leaves boiler water crystal clear. Assures trouble free start ups on new boilers, peak efficiency on old ones. Eliminates a major cause of pipe hammer. Safely used on food service, process equipment, sensitive applications. Recommended for use on all hydronic systems including those with rubber or plastic components. 115 gram, 15 lb.



boiler & heating system cleaner

Yellow emulsion assists rust and scale removal. Emulsifies oil, grease. Inhibits rust in new and old boiler jobs. No draining or flushing in moderately dirty boilers. Has special anti-foam agent. General purpose boiler cleaner, rust preventive. Contains silicone. Recommended for use on all hydronic systems including those with rubber or plastic components. 1 qt., 1 gal., 5 gal.



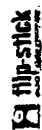
fuel oil sludge treat

Helps eliminate burner breakdowns from sludge and water in fuel oil and tanks. Disperses sludge, emulsifies water. Increases fuel tank life, minimizes breakdowns from clogged lines, strainers, nozzles. 1 qt., 1 gal., 5 gal.



JET-SPRAY soot destroyer

Aerosol spray application removes costly, fuel-consuming accumulations of soot. For systems, heaters, burners using all types of fuel (oil, gas, kerosene, LP gas, wood, coal, etc.) One can equals 5 to 6 lbs. of old-fashioned powders. Sprays hard to reach places. Harmless to metals. Leaves no residue. Has no explosives. 15 oz. spray



flip-stick®

SOOT DESTROYER Toss-in pack for clean, easy, effective soot removal. No mixing, measuring, spraying. No package to open. Flip the stick into the hot chamber or firebox. Flip-Stick removes costly fuel consuming deposits of soot and carbon. For oil, gas, coal, coke, and wood heating units. Non-explosive. Approved by State of Conn. Dept. of State Police, Hartford, Permit No. 136. 100g



furnace cement

High-Temperature asbestos compound. Ready-to-use for setting up furnaces, ranges, stoves. Makes joints acid-proof, gas-proof, smoke-proof, fireproof. Will not crumble when dry. 1 lb., 5 lb.



for heat's sake®

RETORT/FURNACE CEMENT

Withstands temperatures to +3000°F. Won't shrink or crack. For use on furnaces, fireboxes, boilers, stoves, combustion chambers, and many other furnace and refractory applications. Adheres to firebrick, redwood, or stone surfaces for a non-porous, fire-proof, acid-proof seal. Won't freeze to +10°F. 1 gal. (7 1/2 lbs.), 1 gal. (15 lbs.), 2 gal. (30 lbs.)

CUTTING OILS, LUBE OILS AND PENETRATING OILS

cutting oil (clear)

Recommended for hand threading applications. A blend of high quality oils with a sulphur base. Meets exacting thread-cutting requirements and prolongs the life of dies and chasers. Will not stain brass or copper.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

cutting oil (dark)

For high speed machine thread requirements. Superior blend of quality oils with a sulphur-lard base. Keeps machine cool—protects valuable dies. Enables operator to cut precision perfect threads.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

penetrating oil

Fast-acting, powerful penetrant quickly frees rusted and "frozen" parts. No odor. Contains Molybdenum Disulfide for high-speed penetration and smooth release. Lubricates as it penetrates.

1/2 pt., 1 pt., 1 qt., 1 gal.

JET-STREAM penetrating oil

"Jet-Stream" aerosol application saves times and assures pinpoint control. Quick penetration. No wasted over-spray. Entirely safe for metals—won't harm painted surfaces. For speedy release of "frozen," rusted or corroded parts. Contains Molybdenum Disulfide for improved lubrication and easy release.

14 oz. aerosol cans.

MULTI-PURPOSE lube oil with EXTENDA-SPOUT

For use on motors, bearings and wherever metal lubrication is desired. Non-gumming, non-toxic, will not foam during use. Non-detergent, contains rust and corrosion preventatives. Not for use on internal combustion engines or extreme heat producing operations. Telescopic EXTENDA-SPOUT makes it easier to apply to hard to reach areas. 4 oz.

PAINTS MAINTENANCE AND CLEANING COMPOUNDS



iron ike®

Dissolves rust and iron stains quickly, easily on practically anything. Unlike many rust removers which are for use on metals only, IRON IKE has a wide range of uses on all kinds of materials and surfaces, metallic and non-metallic. Especially effective on water softeners, water heaters, toilets, tubs, tile, piping, stoves, tools and more. Contains no phosphoric acid, phosphates or chlorine. 20 oz., 5 lb.



JET SPRAY enamel

A superior quality spray enamel for use on interior and exterior surfaces. Provides a washable, rugged waterproof finish on wood, metal, and ceramics. No lead formula dries in minutes to form a lasting, non toxic surface. Available in seven attractive colors: high gloss red, green, blue, gray, white, aluminum, flat black, yellow and copper. 13 oz. aerosol



JET SPRAY hi-heat aluminum coating

Sprays bright, even, heat resistant aluminum coating on any metal surface. Withstands continuous 500°F temperatures, peak temperatures up to 1000°F. Will not peel, blister. Perfect for tanks, piping, radiators, valves, ranges. Not paint—but long-lasting impervious coating. 15 oz. aerosol



black magic® asphalt paint

Concentrated, fast drying, high gloss, black asphalt paint. Contains extra high concentration of Gilsonite for permanent waterproof and rustproof protection. For furnaces, boilers, piping, tanks, sheet-metal. Weather resistant. 1 qt., 1 gal., 5 gal.



cream hand cleaner

Cleans hands thoroughly with or without water. Removes oil, grease, paint, putty, carbon, ink, adhesives—and much more. Contains purified lanolin. Prevents chapped hands. Leaves no greasy, sticky film or unpleasant solvent odor. 15 oz., 4 1/2 lb.



toilet bowl cleaner

No rubbing—no scrubbing. Vigorous chemicals remove unsightly dirt and stains. Harmless to toilet bowls. Free flowing powder sprinkles easily. Restores bright, clean, sparkling finish. Pleasantly scented. 20 oz.



tile and porcelain cleaner

Cleans and polishes tile, porcelain, metals and other hard, non-porous surfaces. A subdued scent and light sudsing action supplement efficient cleansing ingredients. Gets dirt, grease and stains in a jiffy. 14 oz.

blot-o®

OIL ABSORBER. Absorbs many times its weight in oils, water, greases and other liquids. Makes slippery floors safe. Does not react chemically. Provides safe footing and fire retarding action. 50 lb.

9

BRUSHES, DAUBERS AND ACCESSORIES

swif dwv and plastic pipe cement brush

One inch wide, natural bristle brush. Speeds application of material on larger size pipe and fittings. Uniformly applies enough material in one stroke—saves time.

plastic pipe cement daubers

For clean, rapid application of cements and primers. Dauber shafts extend to the bottom of the cans for which they were designed. No wasted cement. No tipping of cans.

3/4" dia. (for 1/4 pt. can), 1 1/2" dia. (for 1/2 pt., 1 pt., and 1 qt. cans).

acid, flux and swif solder brushes

5 3/4" metal shaft,
natural bristle brush.

For smooth even flux application.

pipe dope brush

8 inch, round extra-strong natural bristle brush. Applies Pipe Joint Compound uniformly and deeply into the root of threads—in one stroke.

hand cleaner dispenser

Sturdy push-type dispenser. Fits Hercules and most other 4 1/2 lb. hand cleaner brands.

10

PLASTIC PIPE CEMENTS

pvc cement-clear (blue label)

For PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting cement. NSF and UPC approved. Conforms ASTM #D-2564.

1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



below-zero pvc cement-clear (blue label)

Made to withstand storage and shipping temperatures to -10°F. (-23°C.) for PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting; conforms to ASTM #D-2564.

1.2 pt., 1 pt., 1 qt.



pvc cement-gray (gray label)

For PVC Types I & II potable water, DWV and SW pipe and fittings. Heavy duty, high viscosity cement for Schedule 40 and 80 pipe and fittings up to 12" diameter. NSF and UPC approved.

1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



cpvc cement (orange label)

For CPVC 23447-B (ASTM #D-1784) potable water pipe and fittings. Medium viscosity, orange cement. For pipe and fittings up to 6" diameter. NSF and UPC approved. Conforms ASTM #D-2846.

1/4 pt., 1/2 pt., 1 pt.



pvc & cpvc primer (purple label)

Recommended method to soften and prepare surface of PVC and CPVC pipe and fittings before applying solvent cements. UPC approved. Use clean dauber.

1/2 pt., 1 pt., 1 qt., 1 gal.



pvc primer (red label)

Recommended method to soften and prepare surface of PVC pipe and fittings before applying solvent cement. UPC approved. Use clean dauber.

1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



abs cement (green label)

For ABS Types I & II potable water, DWV and SW pipe and fitting up to 6" diameter. High viscosity, fast setting black cement. NSF and UPC approved. Conforms ASTM #D-2235.

1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



abs/pvc cement (brown label)

For joining ABS to PVC pipe or fittings up to 6" diameter. Non-pressure only. 1/2 pt., 1 pt., 1 qt.



styrene cement (yellow label)

For Styrene DWV pipe and fittings up to 6" diameter. Medium viscosity, tan cement. Conforms ASTM #D-3122.

1/2 pt., 1 pt.

BOWL SETTING GASKETS AND BOLTS



Johni-bolt® Patented, solid brass closet bolt with time saving snap-off slot and captive washer. Comes in 5/16" and 1/4" diameters. Packed in plastic bags, one complete set (two bolts, two washers, two cap nuts) per bag.



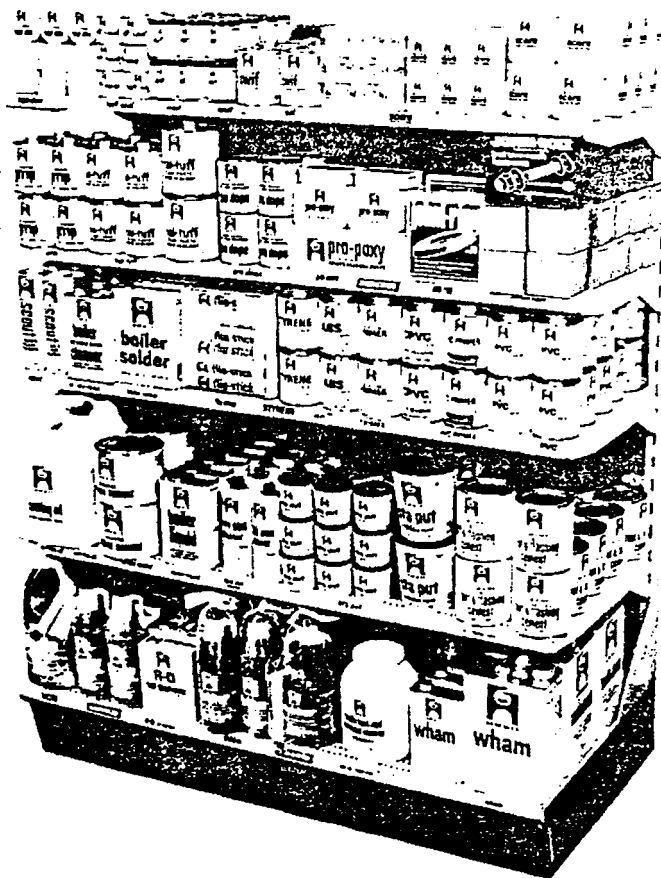
Johni-ring® wax gaskets

100% pure high grade wax gasket. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble, or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.



Johni-ring® wax gasket with plastic horn

100% pure high grade wax gasket with sturdy polyethylene plastic horn. Horn fits 3" and 4" wastes. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.



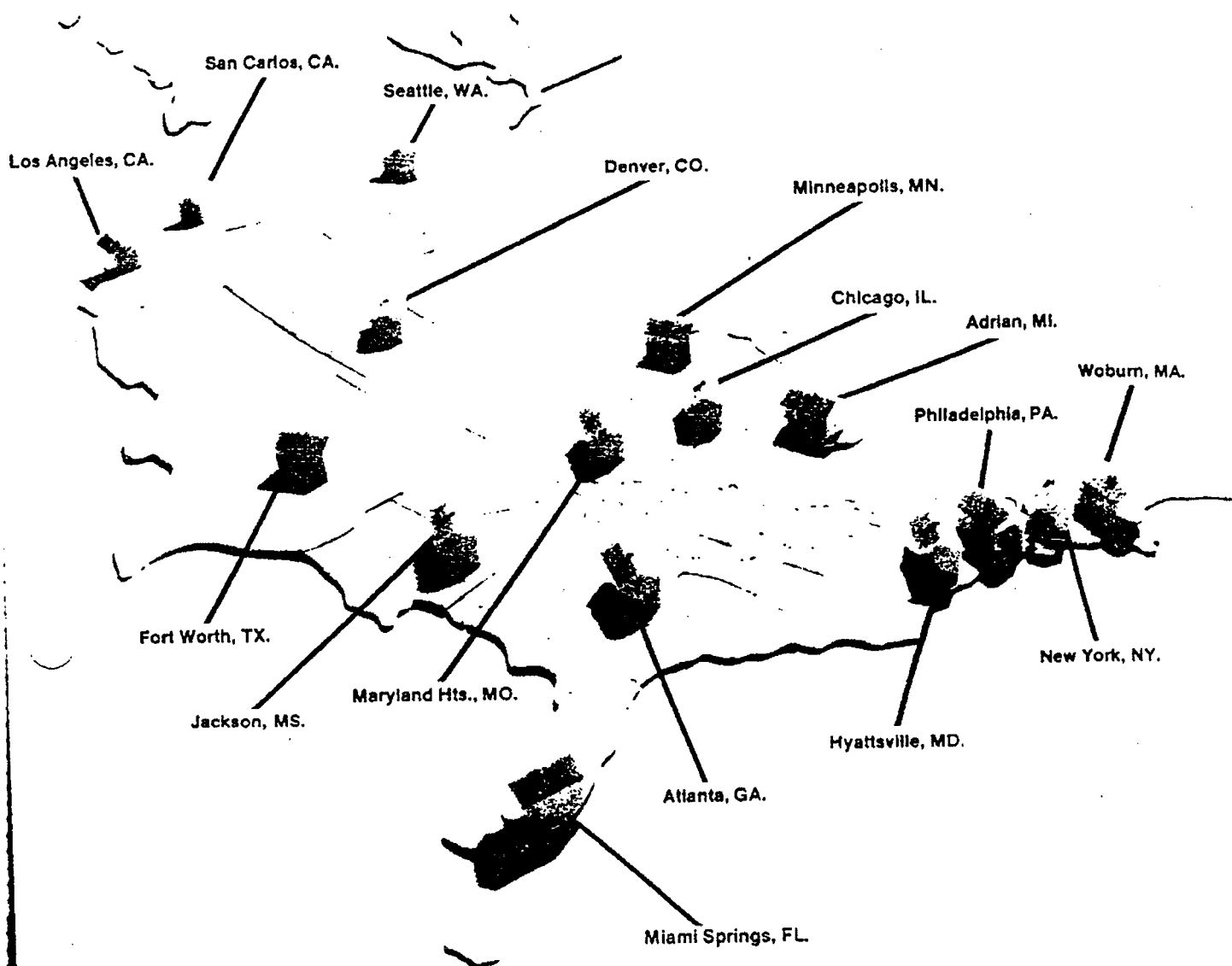
Hercules products are sold through recognized wholesale suppliers to the Plumbing, Heating, Air Conditioning, Industrial, Electrical, Hardware and allied trades.

Every Hercules product is sold with a replacement or refund guarantee, assuring complete satisfaction to the user.

Careful quality control and exhaustive experimentation and testing provide the highest degree of product uniformity and effectiveness.

Hercules' experience since 1915 is pledged to make available to you the practical results of vigorous advanced research and scientific development.

With Warehouses Here, There and Everywhere, Hercules is Your Neighborhood Chemical Company



To help you maintain balanced inventories and avoid costly overstocking, Hercules has established a national network of local warehouses run by authorized representatives.

Orders for Hercules products from wholesale distributors located in these areas are shipped from these warehouses, and billing is centrally processed by Hercules Chemical Company, Inc. in its general offices.



HERCULES CHEMICAL COMPANY, INC. - 84 Fifth Ave., N.Y.C. 10011

3/80

DEPOSITION
EXHIBIT
#7
Fidler 11/9/90



SOLDERS & FLUXES

 **swif* solder** 50/50 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Speeds sweat soldering and tinning jobs. Makes clean strong solder joints. One pound does the work of 3 to 4 pounds of wire solder plus flux. For copper, brass, galvanized steel, tin, iron, and all common metals—except aluminum and some grades of stainless steel. Fast, economical, easy to use. Same melting point and identical performance characteristics as equivalent alloy grade in wire, stick or bar solder. 4 oz., 1 lb., 3 lb.

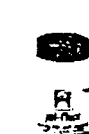
 **swif 95** 95/5 Tin-Antimony alloy with flux in stable paste form for brush-on applications. Four times as strong as the 50/50 Tin-Lead grade. For use in sweat soldering and tinning where temperatures will range between 200°F and 250°F or where vibration or expansion and contraction may be encountered. Approved for food piping and processing—contains no lead. Fluxes, tins and solders in one operation. 1 lb., 3 lb.

 **swif 40** 40/60 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Slightly higher melting point than 50/50 and slightly less strength. 1 lb., 3 lb.

 **swif 50 ee** 50/50 Tin-Lead alloy with special non-corrosive flux in paste form. For electrical and electronic soldering. Can be used for many other soldering jobs. Apply to clean metal and heat. 1 1/4 oz.

 **soldering paste** Self-cleaning formula. Smooth, easily applied paste flux. Aids solder in spreading faster, more uniformly. Prepares perfect sweat joints. 2 oz., 1/2 lb., 1 lb.

 **score[®] paste flux** A unique self-cleaning, non-corrosive paste flux. Creamy-smooth consistency for easy brush-on applications without stirring. Patented. Won't freeze to 0°F. Leaves no harmful corrosive residue. No wiping. Ideal for sweat soldering on most common metals. Makes clean, leak-free joints. Perfect for air conditioning systems—no residue to react with Freon or affect compressors. 2 oz., 4 1/2 oz., 12 oz.

 **jel-flux[™]** Specially formulated non-drip, non-runny, self-cleaning liquid flux for soft solder applications. Cleans and fluxes, retards oxide formation during heating, penetrates through oil film. For use on copper, brass, galvanized, tin, zinc and most commonly soldered metals. Not for use on aluminum. Conforms to Federal Spec O-F-506C. 4 fl. oz.

THREAD SEALANTS, GASKETS AND PACKING

 **tape dope[®]** Pipe joint compound in easy-to-use tape form. Clean; fast; for all threaded pipe, valves, fittings. Non-hardening, non-toxic. Withstands -450° to +500°F. 10,000 lbs. psi. For all types of pipe carrying acids, solvents, alkalis, steam, hot and cold water, LP gas, natural gas, oxygen and almost every chemical. Meets military specifications. 1/4", 1/2", 3/4" and 1" widths in 200", 500" and 750", 1 1/2" x 600" and 1,000" lengths. Also 1/2" x 30" and 90" carded.

 **tape dope lubricant** Used with TAPE DOPE on connections over 1 1/4". Applied to female connection, lubricating film prevents tearing of tape and assures leak-free joints. Container makes up to 150-2" joints. Recommended for aluminum, stainless steel; glass, rusty, nicked or poor threads. 2 oz.

 **tuff-seal[®]** Rope for packing, gaskets; washers. Seals valve stems, flanges. -450° to +500°F. 10,000 lbs. psi. Steam, water, acids, alkalis, solvents, petroleum products, hydraulic fluids, refrigerants; few limitations. Ferrous, non-ferrous, glass and plastic equipment. Retains lubricity; won't harden or wash out. Molds to any size, shape. Clean, non-toxic. Safe for food; distilled water; oxygen. 3/32" x 100", 240", 600", 5/32" x 180", 7/32" x 180", 3/32" x 24" carded.

 **real-tuff[™]** Multi-purpose, heavy duty PTFE paste thread sealant. Non-toxic, non-separating. -200° to +550°F. 10,000 psi. Positive leak-proof seal on lines carrying LP & natural gas, acids, alkalis, gasoline, oils. Not recommended for oxygen lines. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal., 5 gal.

pipe joint compound

 **pro dope[®]** No drip—no spill, pipe joint compound. For metal pipe and valves carrying natural gas, water, air, steam, ammonia, dilute acids and alkalis. No mixing; will not harden; absolutely uniform throughout can. Lubricates as it forms a tight pressure seal. Contains no lead, inhibits rust and corrosion, wipes clean from hands. Approved for natural gas. Meets military spec. 1 1/4 oz. tubes. 1/4 pt. (1 lb.), 1 pt. (2 lb.), cans. 5 lb., 1 gal. (12 1/2 lb.), 5 gal. (65 lb.).

 **grip[®]** All-purpose, leak-proof, non-hardening, pipe joint and gasket seal. Semi-liquid; brushable; forms tough pliable film on joints, valves, flanges and gaskets. For pipes, pumps, tanks and equipment carrying steam, water, oil, gasoline, natural & LP gas, anti-freeze, refrigerants, lubricants, glycerine, solvents, brine and other gases, liquids and chemicals. -65° to +410°F. 11,500 lbs. psi. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

DRAIN AND WASTE SYSTEM CLEANERS



wham® Dissolves and controls grease, slime, soap, detergents and odors in waste systems. Clears and conditions drains, septic tanks, cesspools, grease traps and drain fields. Non-caustic, non-acid. Selectively destroys odor-producing bacteria. Harmless to digestive bacteria. Regular use keeps drains and waste systems functioning properly. Cures the problem of grease-clogged soil, restoring porosity and maximum drainage.

E.P.A. Reg. No. 7687-2.

1 qt., 1 gal., 5 gal., 55 gal.



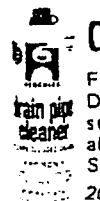
clobber® For Professional Use Only — This product provides the fastest method for clearing emergency waste line stoppages. No mechanical equipment needed. Rapidly disintegrates paper, rags, sanitary napkins, food scraps and all organic matter. Melts grease and ice. Special inhibitors in this strong acid prevent corrosion and make it safe for use in cast iron, copper, and steel piping. Child-proof caps. Each jug packed in plastic bag.

1 qt., 1/2 gal. plastic jugs with SAF-T-POR Spouts.



sizzle® For professional use only. Effectively removes lime, rust, scale, concrete, hard mineral deposits, insoluble salts from water systems, waste lines, humidifiers, heating, processing, air conditioning equipment. Dissolves urinary salts. Scientific inhibitors make it safe for iron, steel, copper, brass, bronze, lead, plastic. pH test kit determines when system is ready to be restored to service. Child-proof caps.

1 qt., 1 gal., plastic jug with SAF-T-POR Spouts, 15 gal.



drain pipe cleaner

Free-flowing, dry crystals clear clogged and sluggish drains. Dissolves hair, grease, lint and organic matter. Generates substantial heat which aids rapid clearing. Contains aluminum to speed reaction. Works with cold water. Special fumeless formula also available.

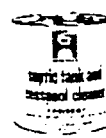
20 oz., 34 oz. with child-proof caps.



R-D root destroyer

Clears and prevents root-blocked sewer lines. Contains no caustics or acids—harmless to skin or clothing. A systemic formula specifically for the elimination and prevention of root growth in sewer lines. Safe to use in lines leading to septic tanks. Works only on live roots—will not harm trees or shrubs. E.P.A. Reg. No. 7687-1.

2 lb., 50 lb.



septic tank and cesspool cleaner

Dissolves grease and organic matter in clogged, sluggish or malfunctioning cesspools, septic tanks and grease traps. Organic solids are rapidly liquefied and drainage conditions improved. Ideal for emergency use to eliminate back-up and overflow.

5 lb., 25 lb.

COLD SOLDERS AND CALKING COMPOUNDS



sta put® A stainless plastic putty which will not harden, crumble, crack or shrink. A flexible, stretchable compound for professional use in setting bowls, fixtures, faucets, basin cocks, strainers, plugs, sink frames and other sealing and calking applications requiring a stainless, plastic putty with excellent adhesive qualities. Will not stick to hands. Meets federal specifications HHC-536A.

14 oz., 3 lb., 5 lb., 20 lb.



plastic seal® Strong, versatile, all-purpose repair product.

Excellent lead substitute for calking soil pipe joints. One pound equals 8 pounds of calking lead. Repairs cracked, broken, or leaking pipe; enamelware; china; cast iron and clay soil pipe. Seals sand holes. Sands to a feather finish when dry. Withstands pressure on water, gas, steam and oil lines.

10 oz., 22 oz.



roof and flashing cement

A special bituminous composition with superior adhesion under severest weather conditions. Improved, heavy, paste-like consistency; easily applied with trowel or putty knife. Adheres to wet or moist surfaces; can be applied in rain.

Forms durable, flexible weather-proof coating around flashings, cooling towers, skylights. Adheres to concrete, metal, tile, roofing and masonry. Excellent for patching, repairs and general water proofing. Meets or exceeds Federal Specifications.

1 qt., 1 gal., 5 gal.



pro-proxy

All purpose epoxy sealing putty. Seals, mends, bonds, repairs almost anything. Two-part epoxy compound, when mixed to a uniform color adheres

to almost all surfaces: metals, masonry, wood, glass, ceramics and most plastics. Withstands temperatures to 248°F. Compression strength 7,500 p.s.i., tensile strength 3,860 p.s.i. Electrically non-conductive. When cured may be painted, ground, filed, sanded, drilled.

2 oz., 8 oz.

5

BOILER AND HEATING SYSTEM STOP-LEAKS

base hit II Hydronic system leak preventer. Seals leaks throughout entire system and eliminates costly call backs. Works fast and does not clog vents, valves, pneumatic tanks, coils or controls. Normal operation of the system is not affected. "One shot" application is left in the system for continuing protection against call backs on new installations and stopping leaks on old jobs. Equally effective on steel, cast iron, copper. Works on hot water heating and chilled water cooling systems. Contains silicones. Recommended for use on all hydronic systems including those with rubber or plastic components. 12 oz., 1 gal., 5 gal.



boiler liquid Proven liquid product for lasting repairs of cracked or leaking steam and hot water heating boilers. Will not clog system or controls. Withstands high pressures. Cannot cause odors, priming or foaming. Boiler cleaners will not affect repairs made with this product. Ideal for old and new installations. Will not clog valves or vents. Recommended for use on all hydronic systems including those with rubber or plastic components. 1 qt., 1 gal., 5 gal.



boiler solder Free flowing powder makes a strong repair on cracked steam or hot water heating boilers. On contact with air, hardens into a strong seal which expands and contracts with boiler metal. Once set, seal will not be dislodged by boiler cleaners. Does not interfere with normal boiler operation. Works well on old or new jobs. Recommended for use on all hydronic systems including those with rubber or plastic parts. components. 1 lb., 50 lb.

6

BOILER AND HEATING SYSTEM CLEANERS AND COMPOUNDS



scout No-mixing, non-toxic, odorless, steam boiler cleaner stops priming, surging in 10 minutes. Cleans dirtiest boiler fast, no draining or flushing, while boiler operates normally. Removes rust, scale, oil, foam and other impurities. Leaves boiler water crystal clear. Assures trouble free start ups on new boilers, peak efficiency on old ones. Eliminates a major cause of pipe hammer. Safely used on food service, process equipment, sensitive applications. Recommended for use on all hydronic systems including those with rubber or plastic components. 115 gram, 15 lb.



boiler & heating system cleaner

Yellow emulsion assists rust and scale removal. Emulsifies oil, grease. Inhibits rust in new and old boiler jobs. No draining or flushing in moderately dirty boilers. Has special anti-foam agent. General purpose boiler cleaner, rust preventive. Contains silicone. Recommended for use on all hydronic systems including those with rubber or plastic components. 1 qt., 1 gal., 5 gal.



fuel oil sludge treat

Helps eliminate burner breakdowns from sludge and water in fuel oil and tanks. Disperses sludge, emulsifies water. Increases fuel tank life, minimizes breakdowns from clogged lines, strainers, nozzles. 1 qt., 1 gal., 5 gal.



JET-SPRAY soot destroyer

Aerosol spray application removes costly, fuel-consuming accumulations of soot. For systems, heaters, burners using all types of fuel (oil, gas, kerosene, LP gas, wood, coal, etc.) One can equals 5 to 6 lbs. of old-fashioned powders. Sprays hard to reach places. Harmless to metals. Leaves no residue. Has no explosives. 15 oz. spray



flip-stick

SOOT DESTROYER Toss-in pack for clean, easy, effective soot removal. No mixing, measuring, spraying. No package to open. Flip the stick into the hot chamber or firebox. Flip-Stick removes costly fuel consuming deposits of soot and carbon. For oil, gas, coal, coke, and wood heating units. Non-explosive. Approved by State of Conn. Dept. of State Police, Hartford, Permit No. 136. 100g



furnace cement

High-Temperature compound. Ready-to-use for setting up furnaces, ranges, stoves. Makes joints acid-proof, gas-proof, smoke-proof, fireproof. Will not crumble when dry. 1/2 pt., 5 lb.



for heat's sake

RETORT/FURNACE CEMENT

Withstands temperatures to +3000°F. Won't shrink or crack. For use on furnaces, fireboxes, boilers, stoves, combustion chambers, and many other furnace and refractory applications. Adheres to firebrick, non-wood, or stone surfaces for a non-porous, fire-proof, acid-proof seal. Won't freeze to +10°F. 1/2 gal. (7 1/2 lbs.), 1 gal. (15 lbs.), 2 gal. (30 lbs.)

CUTTING OILS, LUBE OILS AND PENETRATING OILS

cutting oil (clear)

Recommended for hand threading applications. A blend of high quality oils with a sulphur base. Meets exacting thread-cutting requirements and prolongs the life of dies and chasers. Will not stain brass or copper.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

cutting oil (dark)

For high speed machine thread requirements. Superior blend of quality oils with a sulphur-lard base. Keeps machine cool—protects valuable dies. Enables operator to cut precision perfect threads.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

penetrating oil

Fast-acting, powerful penetrant quickly frees rusted and "frozen" parts. No odor. Contains Molybdenum Disulfide for high-speed penetration and smooth release. Lubricates as it penetrates.

1/4 pt., 1 pt., 1 qt., 1 gal.

JET-STREAM penetrating oil

"Jet-Stream" aerosol application saves times and assures pinpoint control. Quick penetration. No wasted over-spray. Entirely safe for metals—won't harm painted surfaces. For speedy release of "frozen," rusted or corroded parts. Contains Molybdenum Disulfide for improved lubrication and easy release.

12 oz. aerosol cans.

MULTI-PURPOSE lube oil with EXTENDA-SPOUT

For use on motors, bearings and wherever metal lubrication is desired. Non-gumming, non-toxic, will not foam during use. Non-detergent, contains rust and corrosion preventatives. Not for use on internal combustion engines or extreme heat producing operations. Telescopic EXTENDA-SPOUT makes it easier to apply to hard to reach areas. 4 oz.

PAINTS MAINTENANCE AND CLEANING COMPOUNDS

iron ike

Dissolves rust and iron stains quickly, easily on practically anything. Unlike many rust removers which are for use on metals only, IRON IKE has a wide range of uses on all kinds of materials and surfaces, metallic and non-metallic. Especially effective on water softeners, water heaters, toilets, tubs, tile, piping, stoves, tools and more. Contains no phosphoric acid, phosphates or chlorine. 20 oz., 5 lb.

JET SPRAY enamel

A superior quality spray enamel for use on interior and exterior surfaces. Provides a washable, rugged waterproof finish on wood, metal, and ceramics. No lead formula dries in minutes to form a lasting, non-toxic surface. Available in nine attractive colors: high gloss red, green, blue, gray, flat black, white, aluminum, yellow and copper. 13 oz. aerosol

JET SPRAY hi-heat aluminum coating

Sprays bright, even, heat resistant aluminum coating on any metal surface. Withstands continuous 500°F temperatures, peak temperatures up to 1000°F. Will not peel, blister. Perfect for tanks, piping, radiators, valves, ranges. Not paint—but long-lasting impervious coating. 15 oz. aerosol

black magic asphalt paint

Concentrated, fast drying, high gloss, black asphalt paint. Contains extra high concentration of Gilsonite for permanent waterproof and rustproof protection. For furnaces, boilers, piping, tanks, sheet-metal. Weather resistant. 1 qt., 1 gal., 5 gal.

cream hand cleaner

Cleans hands thoroughly with or without water. Removes oil, grease, paint, putty, carbon, ink, adhesives—and much more. Contains purified lanolin. Prevents chapped hands. Leaves no greasy, sticky film or unpleasant solvent odor. 15 oz., 4 1/2 lb

toilet bowl cleaner

No rubbing—no scrubbing. Vigorous chemicals remove unsightly dirt and stains. Harmless to toilet bowls. Free flowing powder sprinkles easily. Restores bright, clean, sparkling finish. Pleasantly scented. 20 oz.

tile and porcelain cleaner

Cleans and polishes tile, porcelain, metals and other hard, non-porous surfaces. A subdued scent and light sudsing action supplement efficient cleansing ingredients. Gets dirt, grease and stains in a jiffy. 14 oz.

blot-o OIL ABSORBER. Absorbs many times its weight in oils, water, greases and other liquids. Makes slippery floors safe. Does not react chemically. Provides safe footing and fire retarding action. 50 lb.

BRUSHES, DAUBERS AND ACCESSORIES

swif dwv and plastic pipe cement brush

One inch wide, natural bristle brush. Speeds application of material on larger size pipe and fittings. Uniformly applies enough material in one stroke—saves time.

plastic pipe cement daubers

For clean, rapid application of cements and primers. Dauber shafts extend to the bottom of the cans for which they were designed. No wasted cement. No tipping of cans.
1/4" dia. (for 1/4 pt. can), 1 1/2" dia. (for 1/2 pt., 1 pt., and 1 qt. cans).

acid, flux and swif solder brush

5/8" metal shaft,
natural bristle brush.

For smooth even flux application.

pipe dope brush

8 inch, round extra-strong natural bristle brush. Applies Pipe Joint Compound uniformly and deeply into the root of threads—in one stroke.

hand cleaner dispenser

Sturdy push-type dispenser. Fits Hercules and most other 4 1/2 lb. hand cleaner brands.

PLASTIC PIPE CEMENTS

pvc cement-clear (blue label)

For PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting cement. NSF and UPC approved. Conforms ASTM #D-2564.

1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



below-zero pvc cement-clear (blue label)

Made to withstand storage and shipping temperatures to -10°F. (-23°C.) for PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting; conforms to ASTM #D-2564.

1/2 pt., 1 pt., 1 qt.



pvc cement-gray (gray label)

For PVC Types I & II potable water, DWV and SW pipe and fittings. Heavy duty, high viscosity cement for Schedule 40 and 80 pipe and fittings up to 12" diameter. NSF and UPC approved.

1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



cpvc cement (orange label)

For CPVC 23447-B (ASTM #D-1784) potable water pipe and fittings. Medium viscosity, orange cement. For pipe and fittings up to 6" diameter. NSF and UPC approved. Conforms ASTM #D-2846.

1/4 pt., 1/2 pt., 1 pt.



pvc & cpvc primer (purple label)

Recommended method to soften and prepare surface of PVC and CPVC pipe and fittings before applying solvent cements. UPC approved. Use clean dauber.

1/2 pt., 1 pt., 1 qt., 1 gal.



pvc primer (red label)

Recommended method to soften and prepare surface of PVC pipe and fittings before applying solvent cement. UPC approved. Use clean dauber.

1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



abs cement (green label)

For ABS Types I & II potable water, DWV and SW pipe and fitting up to 6" diameter. High viscosity, fast setting black cement. NSF and UPC approved. Conforms ASTM #D-2235.

1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

abs/pvc cement (brown label)

For joining ABS to PVC pipe or fittings up to 6" diameter. Non-pressure only. 1/2 pt., 1 pt., 1 qt.

multi-purpose cement (olive label)

For joining PVC, CPVC and ABS pipe and fittings. Medium viscosity, milky color.

1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

BOWL SETTING GASKETS AND BOLTS



johni-bolt®

Patented, solid brass closet bolt with time saving snap-off slot and captive washer. Comes in 5/16" and 1/4" diameters. Packed in plastic bags, one complete set (two bolts, two washers, two brass cap nuts) per bag.



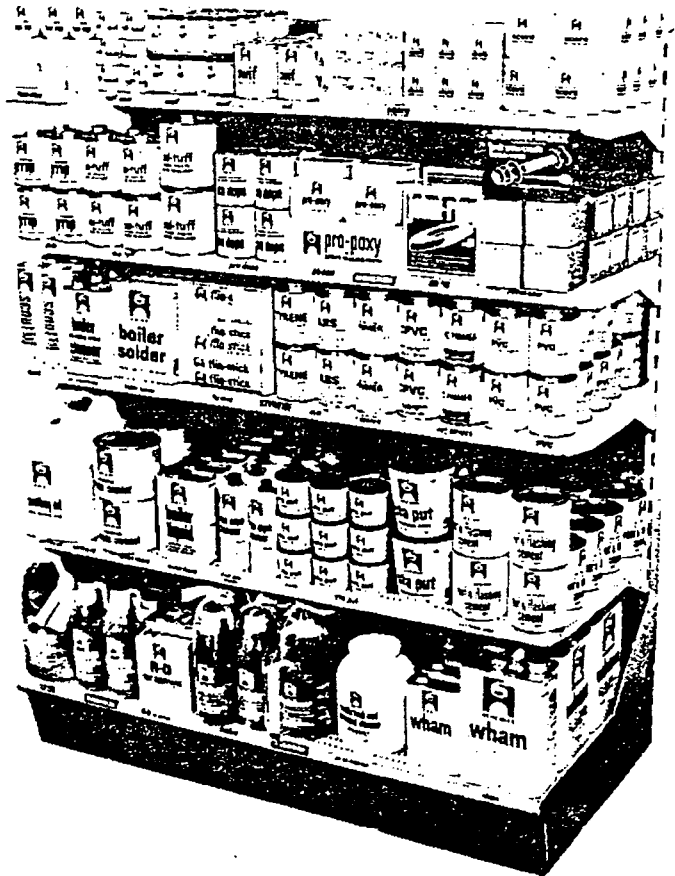
johni-ring® wax gaskets

100% pure high grade wax gasket. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble, or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.



johni-ring® wax gasket with plastic horn

100% pure high grade wax gasket with sturdy polyethylene plastic horn. Horn fits 3" and 4" wastes. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.



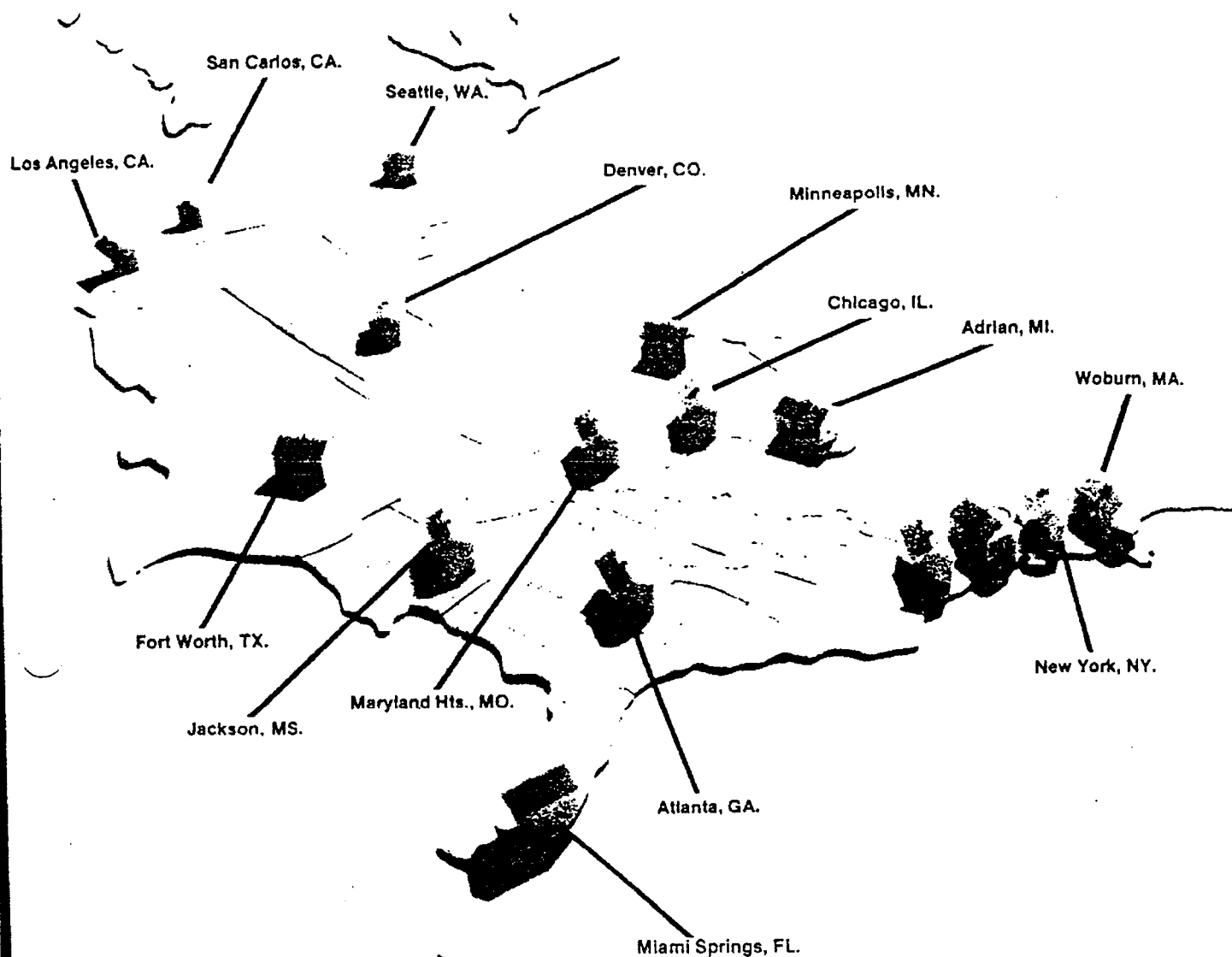
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Careful quality control and exhaustive experimentation and testing provide the highest degree of product uniformity and effectiveness.

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HERCULES CHEMICAL COMPANY, INC. - 84 FIFTH AVE., N.Y.C. 10011



4/81

DEPOSITION
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#8
Fidler 11/9/90

**Professional Plumbing Chemicals
for the DO-IT-YOURSELFER**

The Complete Line of Professional Plum



SOLDER & FLUX

SWIF[®] SOLDER: This unique one-step real solder contains 50/50 tin-lead solder and flux in easy-to-use paste form. No mess, no fuss. Just brush on, heat (in smaller applications a match will do) and the job's complete. Perfect for plumbing, household repairs, children's toys, hobbies and crafts. Handy brush with 4 oz. size. 1-1/4 oz. tube, 4 oz. jar.

SOLDERING PASTE: This smooth, easily applied paste flux helps make clean, leak-free joints every time. Aids solder in spreading faster and evenly. Use with wire, stick or bar solder on most common metals. 2 oz. can.



PIPE THREADING SEALANTS

PIPE JOINT TAPE: Pipe joint sealant in easy-to-use form. Teflon[®] tape, on handy roll, makes leak-proof joints on pipe, valves, hose and other threaded connections. It's convenient, fast and clean. 1/2" x 60" and 1/2" x 260".

*DuPont Trademark

TUFF-SEAL[®] WASHER & GASKET ROPE: Stops pesky leaks all around the house. This amazing Teflon[®] rope can be cut, molded, and shaped to fit dozens of washer, packing and gasket applications. Won't harden or wash out. Its unique, self-lubricating properties make valve operations easier, smoother, and assure more positive shut-off. 3/32" x 24".

*DuPont Trademark

PIPE JOINT COMPOUND: This smooth pipe joint compound, in paste form, makes leak-proof joints on steel and brass threaded pipe. Stays flexible. Will not harden. Use on steam, water and natural gas lines. Available in tube or larger size plastic jar with handy brush-in-cap. 1-1/2 oz., 4 oz.

REAL-TUFF[™]: Multi-purpose, heavy duty PTFE thread sealant. Makes positive leak-proof joints on steel and brass threaded pipe. Non-toxic, non-separating. 4 oz.

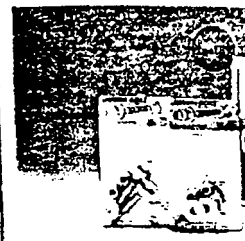


PUTTY, CAULK & EPOXY PUTTY

STA-PUT[®] PUTTY: A flexible, stretchable compound for setting toilet bowls, fixtures, faucets, basin cocks, strainers, plugs, sink frames and for many other sealing and caulking applications. Will not harden, stain or stick to hands. This multi-purpose plumbers' putty provides a long lasting, water-tight seal. 14 oz., 3 lb.

ALL-PURPOSE EPOXY PUTTY: Superior all-purpose epoxy sealing putty. Seals, mends, bonds, repairs almost anything. Two-part epoxy compound, when mixed to a uniform color bonds to most surfaces: metal, masonry, wood, glass, ceramics and most plastics. When cured, may be painted, ground, filed, sanded, drilled. 2 oz.

PLASTIC SEAL[®]: Strong, all-purpose, repair product. Excellent for caulking soil pipe joints, broken pipe, enamelware. 10 oz., 22 oz.



TOILET INST & REPAIR

JOHNI-RING[®] WAX: grade wax gasket. Stain proof, odor proof, gas proof, not dry out, crack, or a positive, permanent seal.

JOHNI-RING[®] WAX HORN: 100% pure h Stainless, water proof, gas proof and bacter crack, crumble or de permanent and sanit 3" and 4" wastes.

JOHNI-BOLTS[®]: Pat with time saving snap Comes in 5/16" and two brass bolts, two



"FUEL SAVERS"

FLIP-STICK[®] SOOT DESTROYER: Toss-in package for clean, easy, effective soot removal from fireplaces and wood-burning stoves; very effective in oil, gas, coal and coke heating units. Just place Flip-Stick into fire box or hot chamber. Non-explosive. Saves fuel. 100 gram.

HI-HEAT FURNACE/STOVE CEMENT: Ready to use compound for setting up furnaces, ranges, wood-burning stoves. Smoke-proof, fire-proof. Non-crumbling. Saves fuel. 1/2 pt., 5 lb.

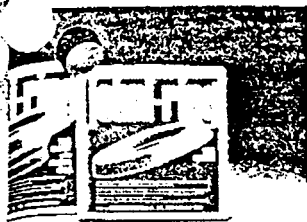
BOILER LIQUID STOP-LEAK: Easy, proven, long lasting method to repair cracked or leaky boilers, steam or hot water. Will not clog system or controls. Withstands high pressures. Repairs made with this product not affected by boiler cleaners.

BOILER SOLDER S: powder makes a stro or leaky boilers. stea with air, hardens into not be dislodged by fere with normal bo

BOILER CLEANER: motes maximum bo clean. Prevents rus Stops priming and Saves fuel. 1 qt.

JET-SPRAY SOOT: application remov For use in oil, gas coal burning syste places. Harmless explosive Saves

Doing Chemicals for the DO-IT-YOURSELF



LATION

SKET: 100% pure high
ess. water proof, vermin
proof and bacteria free. Will
le or deteriorate. Forms
d sanitary closet bowl

SKET WITH PLASTIC
grade wax gasket.
ermin proof, odor proof,
ee. Will not dry out,
orate. Forms a positive,
loset bowl seal. Horn fits

od, solid brass closet bolt
slot and captive washer.
diameters. Set contains
ers, two brass cap nuts.



-LEAK: Free-flowing
asting repair on cracked
hot water. On contact
ng seal. Once set, will
r cleaners. Doesn't inter-
eration. Saves fuel. 1 lb.

superior product pro-
iciency. Keeps water
ulstifies grease and oil.
Contains silicones.

TROYER: Aerosol spray
tly accumulations of soot.
ene, LP gas, wood and
sprays hard to reach
els. Ozone safe. Non-



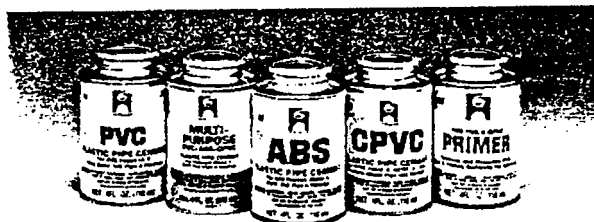
MISCELLANEOUS

IRON IKE[®]: Chemically removes rust and rust
stains quickly from practically all surfaces, metallic
and non-metallic—no rubbing. Especially effec-
tive on water softeners, water heaters, toilets,
tubs, tile, piping, stoves, tools and more. 20 oz.

CUTTING OIL: Helps cut clean, sharp threads on
hand threading applications. A blend of high qual-
ity oils, prolongs the life of dies and chasers. Will
not stain brass or copper. 1 pt.

JET-STREAM PENETRATING OIL: Fast-acting
penetrating oil quickly frees rusted and "frozen"
nuts, bolts, hinges, etc. Lubricates as it
penetrates. No odor. Indispensable to the
homeowner...hundreds of uses in the home. 12 oz.

CREAM HAND CLEANER: Gently removes tough
grimy stains, paints, ink, grease, glue, tile cements,
grass spots from skin surfaces. Use with or without
water. Removes stubborn stains from clothing and
other washable surfaces. For tool kit, boat, office,
kitchen, workshop, bathrooms. Non-polluting.
Convenient air-tight plastic cap. 15 oz.



PLASTIC PIPE CEMENTS

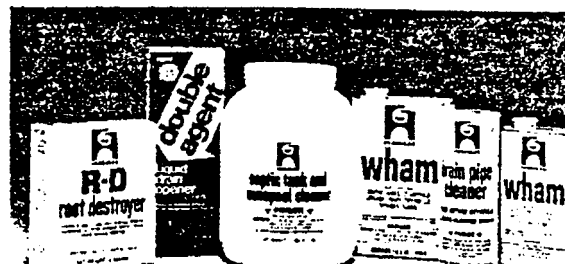
PVC PLASTIC PIPE CEMENT: Fast setting
cement for PVC pipe and fittings. Makes
permanent joints. Use with HERCULES primer.
Dauber in cap. 1/4 pt., 1/2 pt., 1 pt.

CPVC PLASTIC PIPE CEMENT: Fast setting
cement for CPVC pipe and fittings. Makes
permanent joints. Use with HERCULES primer.
Dauber in cap. 1/4 pt., 1/2 pt., 1 pt.

ABS PLASTIC PIPE CEMENT: Fast setting cement
for ABS pipe and fittings. Makes permanent joints.
No primer needed. Dauber in cap. 1/4 pt., 1/2 pt., 1 pt.

MULTI-PURPOSE PLASTIC PIPE CEMENT: Fast
setting cement for PVC-CPVC-ABS pipe and
fittings. Makes permanent joints. Use with HER-
CULES primer. Dauber in cap. 1/4 pt., 1/2 pt., 1 pt.

PLASTIC PIPE CEMENT PRIMER: Softens and



DRAIN OPENERS

DOUBLE AGENT[®]: With Thermalum Nuggets[®]
liquid drain opener. Fastest acting non-acid liquid
drain opener. Patented. Pre-measured for effec-
tive one-shot drain opening. Eliminates hazardous
partly-used containers. Works through water.
Harmless to plumbing. Melts grease. Dissolves
hair. 16 oz.

DRAIN PIPE CLEANER: Professional strength,
fast-acting dry crystals, perfect for clogged sink
and tub drains. Works wonders in dissolving
organic matter, lint and especially hair and grease.
In metal container with childproof safety cap.
Works with cold water. 20 oz.

WHAM[®] This highly concentrated liquid makes
up to 4 gallons of effective solution. Dissolves
and controls grease, sludge, soap and detergent.
Used regularly as a preventive treatment, it will
keep drain lines, septic tanks, grease traps and
waste systems working at maximum efficiency.
1 pt., 1 qt.

SEPTIC TANK & CESSPOOL CLEANER:
Clogged and sluggish septic tanks and cesspools
are quickly opened with these professionally for-
mulated power-packed crystals. Dissolves organic
matter, including hair, grease, paper, etc., and
should be used at least twice a year for trouble-
free maintenance. Also perfect for clogged and
sluggish grease traps. 5 lb.

R-D ROOT DESTROYER: A product designed
specifically to clear and prevent root growth in
sewer lines leading to street sewers, septic tank
and cesspools. Will not harm trees or shrubs.
Eliminates messy digging, manual cleaning and
expensive machine services. 2 lb.

Sizes reflect the most popular consumer
packages. All products available in a full range of
sizes. See Hercules catalog PC900.



HERCULES CHEMICAL COMPANY, INC.

84 Fifth Avenue, New York, N.Y. 10011

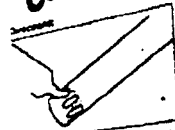
HERCULES Point of Purchase Selling Aids Help You Sell Plumbing Chemicals

Products and programs tailored to meet individual retailer needs. Special plan-o-grams available.

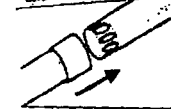


Full range of essential plumbing chemicals in one merchandising area.

pipe joint compound



1. Apply compound to pipe threads. Cover threads liberally.



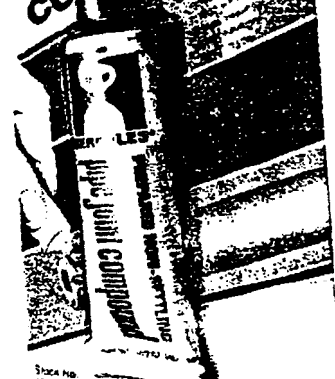
2. Screw on nut tightly for a leak-proof seal.

Notes:
Do not use this product for Fuel Oil, LP Gas, or other gases carrying petroleum or petroleum based materials.

Hercules Chemical Co., Inc.
Net Wt. 5.7 OZ.

MADE IN U.S.A.

pipe joint compound



Store No. 15307
NET WT. 1 1/2 OZ. (42.5 g)

Hercules packaging is designed for the Do-It-Yourselfer. Clear illustrations and concise, step-by-step instructions take the guesswork out of DIY plumbing.

Hercules products are sold through recognized suppliers to the Plumbing, Hardware, Home Center, Industrial and allied trades.

All Hercules products undergo extensive field testing and must meet rigorous quality control standards before they become part of the line.

Every Hercules product is sold with a replacement or refund guarantee, assuring complete satisfaction to the user.



HERCULES CHEMICAL COMPANY, INC. - 34 Fifth Ave., N.Y.C. 10011

1982

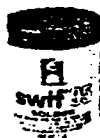
DEPOSITION
EXHIBIT
#9
Fidler 11/9/90



SOLDERS & FLUXES



swif[®] solder 50/50 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Speeds sweat soldering and tinning jobs. Makes clean strong solder joints. One pound does the work of 3 to 4 pounds of wire solder plus flux. For copper, brass, galvanized steel, tin, iron, and all common metals—except aluminum and some grades of stainless steel. Fast, economical, easy to use. Same melting point and identical performance characteristics as equivalent alloy grade in wire, stick or bar solder. 4 oz., 1/2 lb., 1 lb., 3 lb.



swif 95[®] 95/5 Tin-Antimony alloy with flux in stable paste form for brush-on applications. Four times as strong as the 50/50 Tin-Lead grade. For use in sweat soldering and tinning where temperatures will range between 200°F and 250°F or where vibration or expansion and contraction may be encountered. Approved for food piping and processing—contains no lead. Fluxes, tins and solders in one operation. 1 lb., 3 lb.



swif 40[®] 40/60 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Slightly higher melting point than 50/50 and slightly less strength. 1 lb., 3 lb.



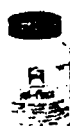
swif 50 ee[®] 50/50 Tin-Lead alloy with special non-corrosive flux in paste form. For electrical and electronic soldering. Can be used for many other soldering jobs. Apply to clean metal and heat. 1/4 oz.



soldering paste Self-cleaning formula. Smooth, easily applied paste flux. Aids solder in spreading faster, more uniformly. Prepares perfect sweat joints. 2 oz., 1/2 lb., 1 lb.



score[®] paste flux A unique self-cleaning, non-corrosive paste flux. Creamy-smooth consistency for easy brush-on applications without stirring. Patented. Won't freeze to 0°F. Leaves no harmful corrosive residue. No wiping. Ideal for sweat soldering on most common metals. Makes clean, leak-free joints. Perfect for air conditioning systems—no residue to react with Freon or affect compressors. 2 oz., 4 1/2 oz., 12 oz.



jel-flux[™] Specially formulated non-drip, non-runny, self-cleaning liquid flux for soft solder applications. Cleans and fluxes, retards oxide formation during heating, penetrates through oil film. For use on copper, brass, galvanized, tin, zinc and most commonly soldered metals. Not for use on aluminum. Conforms to Federal Spec O-F-506C. 4 fl. oz., 8 fl. oz.

THREAD SEALANTS, GASKETS AND PACKING



tape dope[®] Pipe joint compound in easy-to-use tape form. Clean; fast; for all threaded pipe, valves, fittings. Non-hardening, non-toxic. Withstands -450° to +500°F. 10,000 lbs. psi. For all types of pipe carrying acids, solvents, alkalis, steam, hot and cold water, LP gas, natural gas, oxygen and almost every chemical. Meets military specifications. 1/4", 1/2", 3/4" and 1" widths in 200", 500" and 750", 1-1/2" x 600" and 1,000" lengths.



tape dope lubricant Used with TAPE DOPE on connections over 1/2". Applied to female connection, lubricating film prevents tearing of tape and assures leak-free joints. Container makes up to 150-2" joints. Recommended for aluminum, stainless steel; glass, rusty, nicked or poor threads. 2 oz.



tuff-seal[®] Rope for packing, gaskets; washers. Seals valve stems, flanges. -450° to +500°F. 10,000 lbs. psi. Steam, water, acids, alkalis, solvents, petroleum products, hydraulic fluids, refrigerants; few limitations. Ferrous, non-ferrous, glass and plastic equipment. Retains lubricity; won't harden or wash out. Molds to any size, shape. Clean, non-toxic. Safe for food; distilled water, oxygen. 3/32" x 100", 240", 600", 5/32" x 180", 7/32" x 180", 3/32" x 24" carded.



real-tuff[™] Multi-purpose, heavy duty PTFE paste thread sealant. Non-toxic, non-separating. -200° to -550°F. 10,000 psi. Positive leak-proof seal on lines carrying LP & natural gas, acids, alkalis, gasoline, oils. Not recommended for oxygen lines. 2 oz. tube, 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal., 5 gal.



pipe joint compound Non-setting formula is a smooth, prepared paste. Makes leak-proof joints. Water, natural gas, steam, ammonia, dilute acids and alkalis. Approved for natural gas. Meets military specifications. 2 oz. tube, 1/4 pt., 1/2 pt. (1 lb.), 1 pt. (2 lb.), 1 gal. (12-1/2 lb.), 5 gal. (65 lb.).



pro dope[®] No drip-no spill, pipe joint compound. For metal pipe and valves carrying natural gas, water, air, steam, ammonia, dilute acids and alkalis. No mixing; will not harden; absolutely uniform throughout can. Lubricates as it forms a tight pressure seal. Contains no lead, inhibits rust and corrosion, wipes clean from hands. Approved for natural gas. Meets military spec. 1/2 pt. (1 lb.), 1 pt. (2 lbs.), 6 lb., 1 gal., 5 gal.



grrip[®] All-purpose, leak-proof, non-hardening, pipe joint and gasket seal. Semi-liquid; brushable; forms tough, pliable film on joints, valves, flanges and gaskets. For pipes, pumps, tanks and equipment carrying steam, water, oil, gasoline, natural & LP gas, anti-freeze, refrigerants, lubricants, glycerine, solvents, brine and other gases, liquids and chemicals. -65° to -410°F., 11,500 lbs. psi. 1/4 pt., 1/2 pt., 1 qt., 1 gal.



tfe pipe joint tape Low density, high yield pipe joint sealant in easy to use tape form. For all threaded pipe, valves, fittings. Non-hardening, non-toxic. Withstands -450° to +500°F., 10,000 lbs. psi. For all types of pipe carrying acids, solvents, alkalis, steam, water, LP gas, natural gas, oxygen and almost every chemical. Meets military specifications. 1/2" and 3/4" widths in 260", 520" and 1296". 1" x 520" and 1296" lengths. Also 1/2" x 60" and 260" carded.

DRAIN AND WASTE SYSTEM CLEANERS



wham® Dissolves and controls grease, slime, soap, detergents and odors in waste systems. Clears and conditions drains, septic tanks, cesspools, grease traps and drain fields. Non-caustic, non-acid. Selectively destroys odor-producing bacteria. Harmless to digestive bacteria. Regular use keeps drains and waste systems functioning properly. Cures the problem

of grease-clogged soil, restoring porosity and maximum drainage. E.P.A. Reg. No. 7687-2.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.



clobber® For Professional Use Only — This product provides the fastest method for clearing emergency waste line stoppages. No mechanical equipment needed. Rapidly disintegrates paper, rags, sanitary napkins, food scraps and all organic matter. Melts grease and ice. Special inhibitors in this strong acid prevent corrosion and make it safe for use in cast iron, copper, and steel

pipings. Child-proof caps. Each jug packed in plastic bag.

1 qt., 1/2 gal., plastic jugs with SAF-T-POR Spouts.



sizzle® For professional use only. Effectively removes lime, rust, scale, concrete, hard mineral deposits, insoluble salts from water systems, waste lines, humidifiers, heating, processing, air conditioning equipment. Dissolves urinary salts. Scientific inhibitors make it safe for iron, steel, copper, brass, bronze, lead, plastic. pH test kit determines when system is ready to be restored to service. Child-proof caps.

1 qt., 1 gal., plastic jug with SAF-T-POR Spouts, 15 gal.



drain pipe cleaner

Free-flowing, dry crystals clear clogged and sluggish drains. Dissolves hair, grease, lint and organic matter. Generates substantial heat which aids rapid clearing. Contains aluminum to speed reaction. Works with cold water. Special fumeless formula also available.

20 oz., 34 oz. with child-proof caps.



R-D root destroyer

Clears and prevents root-blocked sewer lines. Contains no caustics or acids—harmless to skin or clothing. A systemic formula specifically for the elimination and prevention of root growth in sewer lines. Safe to use in

lines leading to septic tanks. Works only on live roots—will not harm trees or shrubs. E.P.A. Reg. No. 7687-1.

2 lb., 50 lb.



septic tank and cesspool cleaner

Dissolves grease and organic matter in clogged, sluggish or malfunctioning cesspools, septic tanks and grease traps. Organic solids are rapidly liquefied and drainage conditions improved. Ideal for emergency use to eliminate back-up and overflow. 5 lb., 25 lb.



double agent® Fastest acting non-acid drain opener. Easy 2-step, one-shot operation. Harmless to plumbing. Melts grease, dissolves hair. No messy bailouts. Clears most drains within 10 minutes. 16 oz. (with packet of thermalum® nuggets).

COLD SOLDERS AND CALKING COMPOUNDS



sta put

A stainless plastic putty which will not harden, crumble, crack or shrink. A flexible, stretchable compound for professional use in setting bowls, fixtures, faucets, basin cocks, strainers, plugs, sink frames and other

sealing and calking applications requiring a stainless, plastic putty with excellent adhesive qualities. Will not stick to hands. Meets federal specifications HHC-536A.

14 oz., 3 lb., 7 lb., 20 lb.



plastic seal

Strong, versatile, all-purpose repair product.

Excellent lead substitute for calking soil pipe joints. One pound equals 8 pounds of calking lead. Repairs cracked, broken, or leaking pipe; enamelware; china; cast iron and clay soil pipe. Seals sand holes. Sands to a feather finish when dry. Withstands pressure on water, gas, steam and oil lines.

10 oz., 22 oz.



roof and flashing cement

A special bituminous composition with superior adhesion under severest weather conditions. Improved, heavy, paste-like consistency; easily applied with trowel or putty knife. Adheres to wet or moist surfaces; can be applied in rain.

Forms durable, flexible weather-proof coating around flashings, cooling towers, skylights. Adheres to concrete, metal, tile, roofing and masonry. Excellent for patching, repairs and general water proofing. Meets or exceeds Federal Specifications.

1 qt., 1 gal., 5 gal.



pro-proxy

All purpose epoxy sealing putty. Seals, mends, bonds, repairs almost anything. Two-part epoxy compound, when mixed to a uniform color adheres

to almost all surfaces: metals, masonry, wood, glass, ceramics and most plastics. Withstands temperatures to 248°F. Compression strength 7,500 p.s.i., tensile strength 3,860 p.s.i. Electrically non-conductive. When cured may be painted, ground, filed, sanded, drilled.

2 oz., 8 oz.

5

BOILER AND HEATING SYSTEM STOP-LEAKS

 **base hit[®] II** Hydronic system leak preventer. Seals leaks throughout entire system and eliminates costly call backs. Works fast and does not clog vents, valves, pneumatic tanks, coils or controls. Normal operation of the system is not affected. "One shot" application is left in the system for continuing protection against call backs on new installations and stopping leaks on old jobs. Equally effective on steel, cast iron, copper. Works on hot water heating and chilled water cooling systems. Contains silicones. Recommended for use on all hydronic systems including those with rubber or plastic components. 12 oz., 1 gal., 5 gal.



boiler liquid Proven liquid product for lasting repairs of cracked or leaking steam and hot water heating boilers. Will not clog system or controls. Withstands high pressures. Cannot cause odors, priming or foaming. Boiler cleaners will not affect repairs made with this product. Ideal for old and new installations. Will not clog valves or vents. Recommended for use on all hydronic systems including those with rubber or plastic components. 1 qt., 1 gal., 5 gal.



boiler solder Free flowing powder makes a strong repair on cracked steam or hot water heating boilers. On contact with air, hardens into a strong seal which expands and contracts with boiler metal. Once set, seal will not be dislodged by boiler cleaners. Does not interfere with normal boiler operation. Works well on old or new jobs. Recommended for use on all hydronic systems including those with rubber or plastic parts. 1 lb., 50 lb.

BOILER AND HEATING SYSTEM CLEANERS AND COMPOUNDS



scout[®] No-mixing, non-toxic, odorless, steam boiler cleaner stops priming, surging in 10 minutes. Cleans dirtiest boiler fast, no draining or flushing, while boiler operates normally. Removes rust, scale, oil, foam and other impurities. Leaves boiler water crystal clear. Assures trouble free start ups on new boilers, peak efficiency on old ones. Eliminates a major cause of pipe hammer. Safely used on food service, process equipment, sensitive applications. Recommended for use on all hydronic systems including those with rubber or plastic components. 115 gram, 15 lb.



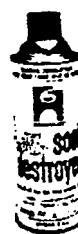
boiler & heating system cleaner

Yellow emulsion assists rust and scale remover. Emulsifies oil, grease. Inhibits rust in new and old boiler jobs. No draining or flushing in moderately dirty boilers. Has special anti-foam agent. General purpose boiler cleaner, rust preventive. Contains silicone. Recommended for use on all hydronic systems including those with rubber or plastic components. 1 qt., 1 gal., 5 gal.



fuel oil sludge treat

Helps eliminate burner breakdowns from sludge and water in fuel oil and tanks. Disperses sludge, emulsifies water. Increases fuel tank life, minimizes breakdowns from clogged lines, strainers, nozzles. 1 qt., 1 gal., 5 gal.



JET-SPRAY soot destroyer

Aerosol spray application removes costly, fuel-consuming accumulations of soot. For systems, heaters, burners using all types of fuel (oil, gas, kerosene, LP gas, wood, coal, etc.) One can equals 5 to 6 lbs. of old-fashioned powders. Sprays hard to reach places. Harmless to metals. Leaves no residue. Has no explosives. 15 oz. spray



flip-stick[®] SOOT DESTROYER Toss-in pack for clean, easy, effective soot removal. No mixing, measuring, spraying. No package to open. Flip the stick into the hot chamber or firebox. Flip-Stick removes costly fuel consuming deposits of soot and carbon. For oil, gas, coal, coke, and wood heating units. Non-explosive. Approved by State of Conn. Dept. of Consumer Protection, Hartford, Permit No. 153-100 g



furnace cement

High-Temperature compound. Ready-to-use for setting up furnaces, ranges, stoves. Makes joints acid-proof, gas-proof, smoke-proof, fireproof. Will not crumble when dry. 1/2 pt., 11 oz. cartridge, 1/2 pt., 1 pt., 1/2 gal.



for heat's sake[®]

RETORT/FURNACE CEMENT

Withstands temperatures to +3000°F. Won't shrink or crack. For use on furnaces, fireboxes, boilers, stoves, combustion chambers, and many other furnace and refractory applications. Adheres to firebrick, iron, wood, or stone surfaces for a non-porous, fire-proof, acid-proof seal. Won't freeze to +10°F.

1 gal. (15 lbs.) 2 gal. (30 lbs.)

**cryo-tek™****anti-freeze**

Modern HVAC and fresh water system protection, combined with important chemical ingredients for corrosive protection. Protects systems down to -50°F. For use in homes, recreation vehicles, mobile homes, trailers, boats and industrial use. Non-toxic. 1 gal., 5 gal., 55 gal.

**cryo-tek™****inhibitor**

Helps prevent corrosion in HVAC systems containing CRYO-TEK ANTI-FREEZE and other propylene glycol solutions. 6 oz.

**cryo-tek™****anti-freeze test kit**

Quick, easy, accurate method to check freeze and corrosion strength of CRYO-TEK ANTI-FREEZE solutions in HVAC systems. Kit contains 10 Test Strips and color chart.

**black out™ BRAND**
soot & creosote
remover

Scientifically developed powder tested expressly for safe, efficient removal and control of soot and creosote deposits in wood, coal or oil burning stoves, furnaces and fireplaces. Non-flammable, non-explosive. Has built in "Corrosion Shield" which safeguards steel and stainless steel flue pipes. 16 oz.

**black out™ BRAND**
soot & creosote destroyer

Removes costly fuel consuming deposits of soot and creosote in all types of heating units (oil, wood, coal, gas). Aerosol spray application reaches parts of the system difficult to clean mechanically or with other types of cleaners. Harmless to metal surfaces. Leaves no residue. Permit No. 153 State of Conn. Dept. of Consumer Protection, Hartford, CT. 15 oz. aerosol.

**black out™ BRAND**
1200° satin black coating

Provides heat-proof finish for wood and coal stoves, stove pipe, furnaces, grills, radiators, boilers, ovens and hoods. Formulated to withstand high temperatures on cast iron, steel, galvanized, copper and other metals commonly used for heating units. Prevents rust and corrosion. 13 oz. aerosol.

**black out™ BRAND**
fireplace brick & stone
cleaner

For fast and easy removal of stubborn stains, soot, smudges and unsightly deposits caused by wood, coal and oil fires. Safe for use on all varieties of stone, brick, masonry, slate and other rough porous surfaces.

CUTTING OILS, LUBE OILS
AND PENETRATING OILS**cutting oil (clear)**

Recommended for hand threading applications. A blend of high quality oils with a sulphur base. Meets exacting thread-cutting requirements and prolongs the life of dies and chasers. Will not stain brass or copper.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

cutting oil (dark)

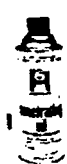
For high speed machine thread requirements. Superior blend of quality oils with a sulphur-lard base. Keeps machine cool—protects valuable dies. Enables operator to cut precision perfect threads.

1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

penetrating oil

Fast-acting, powerful penetrant quickly frees rusted and "frozen" parts. No odor. Contains Molybdenum Disulfide for high-speed penetration and smooth release. Lubricates as it penetrates.

3 oz., 1/2 pt., 1 pt., 1 qt., 1 gal.

JET-STREAM™
penetrating oil

"Jet-Stream" aerosol application saves times and assures pinpoint control. Quick penetration. No wasted over-spray. Entirely safe for metals—won't harm painted surfaces. For speedy release of "frozen," rusted or corroded parts. Contains Molybdenum Disulfide for improved lubrication and easy release.

12 oz. aerosol cans.

MULTI-PURPOSE lube oil with EXTENDA-SPOUT

For use on motors, bearings and wherever metal lubrication is desired. Non-gumming, non-toxic, will not foam during use. Non-detergent, contains rust and corrosion preventatives. Not for use on internal combustion engines or extreme heat producing operations. Telescopic EXTENDA-SPOUT makes it easier to apply to hard to reach areas. 4 oz.

PAINTS MAINTENANCE AND CLEANING COMPOUNDS



iron ike

Dissolves rust and iron stains quickly, easily on practically anything. Unlike many rust removers which are for use on metals only, IRON IKE has a wide range of uses on all kinds of materials and surfaces, metallic and non-metallic. Especially effective on water softeners, water heaters, toilets, tubs, tile, piping, stoves, tools and more. Contains no phosphoric acid, phosphates or chlorine. 20 oz., 5 lb.



JET SPRAY enamel

A superior quality spray enamel for use on interior and exterior surfaces. Provides a washable, rugged waterproof finish on wood, metal, and ceramics. No lead formula dries in minutes to form a lasting, non-toxic surface. Available in four attractive colors: high gloss red, flat black, white and aluminum. 13 oz. aerosol



JET SPRAY hi-heat aluminum coating

Sprays bright, even, heat resistant aluminum coating on any metal surface. Withstands continuous 500°F temperatures, peak temperatures up to 1000°F. Will not peel, blister. Perfect for tanks, piping, radiators, valves, ranges. Not paint—but long-lasting in previous coating. 15 oz. aerosol



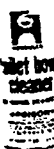
black magic[®] asphalt paint

Concentrated, fast drying, high gloss, black asphalt paint. Contains extra high concentration of Gilsonite for permanent waterproof and rustproof protection. For furnaces, boilers, piping, tanks, sheet-metal. Weather resistant. 1 gal., 5 gal.



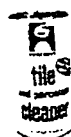
cream hand cleaner

Cleans hands thoroughly with or without water. Removes oil, grease, paint, putty, carbon, ink, adhesives—and much more. Contains purified lanolin. Prevents chapped hands. Leaves no greasy, sticky film or unpleasant solvent odor. 15 oz., 4½ lb.



toilet bowl cleaner

No rubbing—no scrubbing. Vigorous chemicals remove unsightly dirt and stains. Harmless to toilet bowls. Free flowing powder sprinkles easily. Restores bright, clean, sparkling finish. Pleasantly scented. 20 oz.



tile and porcelain cleaner

Cleans and polishes tile, porcelain, metals and other hard, non-porous surfaces. A subdued scent and light sudsing action supplement efficient cleansing ingredients. Gets dirt, grease and stains in a jiffy. 14 oz.

blot-o[®]

OIL ABSORBER. Absorbs many times its weight in oils, water, greases and other liquids. Makes slippery floors safe. Does not react chemically. Provides safe and fire retarding action. 50 lb.

BRUSHES, DAUBERS AND ACCESSORIES

swif dwv and plastic pipe cement brush

One inch wide, natural bristle brush. Speeds application of material on larger size pipe and fittings. Uniformly applies enough material in one stroke—saves time.



plastic pipe cement daubers

For clean, rapid application of cements and primers. Dauber shafts extend to the bottom of the cans for which they were designed. No wasted cement. No tipping of cans. ¾" dia. (for ¼ pt. can), 1½" dia. (for ½ pt., 1 pt., and 1 qt. cans).



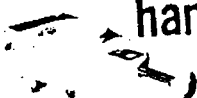
acid, flux and swif solder brushes

5¼" metal shaft, natural bristle brush. For smooth even flux application.



pipe dope brush

8 inch, round extra-strong natural bristle brush. Applies Pipe Joint Compound uniformly and deeply into the root of threads—in one stroke.



hand cleaner dispenser

Sturdy push-type dispenser. Fits Hercules and most other 4½ lb. hand cleaner brands.

PLASTIC PIPE CEMENTS



pvc cement-clear, regular (sky blue label)

For PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium setting cement. NSF and UPC approved. Conforms to ASTM #D-2564. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



pvc cement-clear (blue label)

For PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting cement. NSF and UPC approved. Conforms to ASTM #D-2564. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



below-zero pvc cement-clear (blue label)

Made to withstand storage and shipping temperatures to -10°F. (-23°C.) for PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting. NSF and UPC approved. Conforms to ASTM #D-2564. 1/2 pt., 1 pt., 1 qt.



pvc cement-clear, heavy duty (light blue label)

For PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 80 and up to 15" diameter. Heavy duty, slow set. NSF and UPC approved. Conforms to ASTM #D-2235. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



pvc cement-gray (gray label)

For PVC Types I & II potable water, DWV and SW pipe and fittings. Heavy duty, high viscosity cement for Schedule 40 and 80 pipe and fittings up to 12" diameter. NSF and UPC approved. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



cpvc cement (orange label)

For CPVC 23447-B (ASTM #D-1784) potable water pipe and fittings. Medium viscosity, orange cement. For pipe and fittings up to 6" diameter. NSF and UPC approved. Conforms to ASTM #D-2846. 1/4 pt., 1/2 pt., 1 pt.



pvc & cpvc primer (purple label)

Recommended method to soften and prepare surface of PVC and CPVC pipe and fittings before applying solvent cements. NSF and UPC approved. Use clean dauber. 1/2 pt., 1 pt., 1 qt., 1 gal.



pvc primer (red label)

Recommended method to soften and prepare surface of PVC pipe and fittings before applying solvent cement. NSF and UPC approved. Use clean dauber. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



abs cement (green label)

For ABS Types I & II potable water, DWV and SW pipe and fitting up to 6" diameter. High viscosity, fast setting black cement. NSF and UPC approved. Conforms to ASTM #D-2235. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



abs cement-black, heavy duty (light green label)

For ABS Types I & II potable water, DWV and SW pipe and fittings up to Schedule 80 and up to 15" diameter. NSF and UPC approved. Conforms to ASTM #D-2235. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



abs/pvc cement (brown label)

For joining ABS to PVC pipe or fittings up to 6" diameter. Non-pressure only. NSF and UPC approved. 1/2 pt., 1 pt., 1 qt.



multi-purpose cement (olive label)

For joining PVC, CPVC and ABS pipe and fittings. Medium viscosity, milky color. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



plastic pipe & fittings cleaner (yellow label)

For removing foreign matter and dirt from ABS, PVC, CPVC and styrene pipe and fittings surfaces. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.

**TURN PAGE FOR
INFORMATION ON
BOWL SETTING
GASKETS and BOLTS**

11

BOWL SETTING GASKETS AND BOLTS



Johni-bolt®

Patented, solid brass closet bolt with time saving snap-off slot and captive washer. Comes in 5/16" and 1/4" diameters. Packed in plastic bags, one complete set (two bolts, two washers, two brass cap nuts) per bag.



Johni-ring® wax gaskets

100% pure high grade wax gasket. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble, or deteriorate. Forms a positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.



Johni-ring® wax gasket with plastic horn

100% pure high grade wax gasket with sturdy polyethylene plastic horn. Horn fits 3" and 4" wastes. Stainless, water proof, acid proof, vermin proof, odor proof, gas proof and bacteria free. Will not dry out, crack, crumble or deteriorate. Forms a

positive, permanent and sanitary closet bowl seal. Meets Fed. Spec. HHC-536A. Approved by N.Y.C. Board of Standards and Appeals CAL. 697-51-SA.



Hercules products are sold through recognized suppliers to the Plumbing, Heating, Air Conditioning, Industrial, Electrical and allied trades.

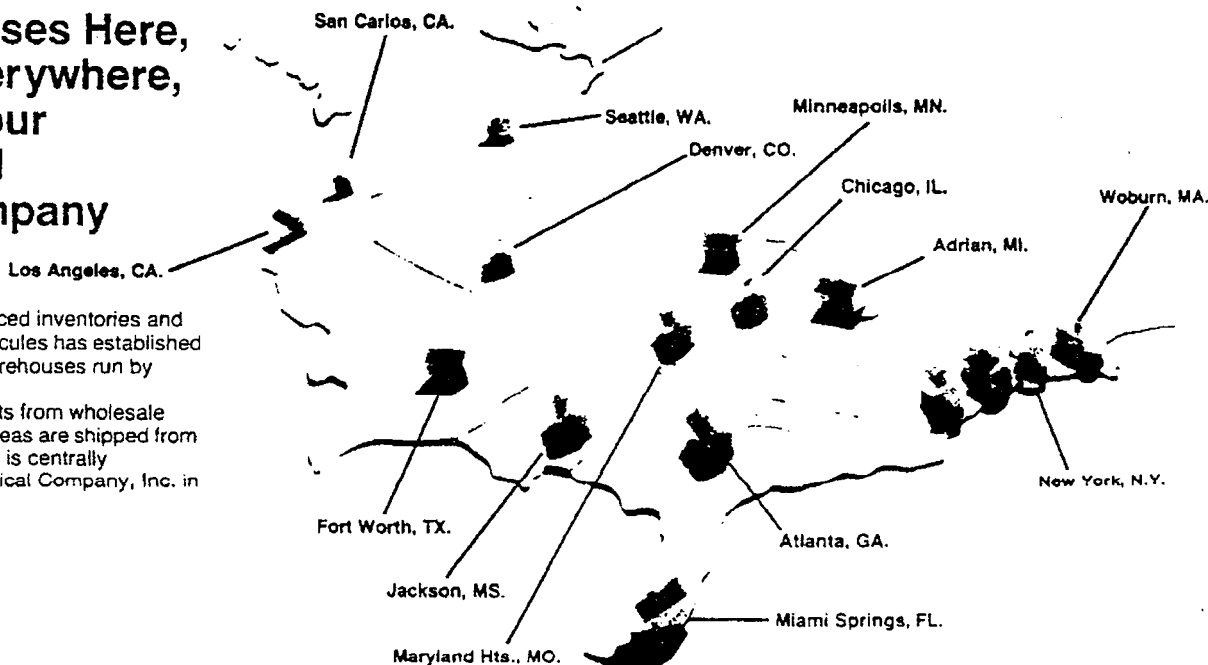
Every Hercules product is sold with a replacement or refund guarantee, assuring complete satisfaction to the user.

Careful quality control and exhaustive experimentation and testing provide the highest degree of product uniformity and effectiveness.

Hercules' experience since 1915 is pledged to make available to you the practical results of vigorous advanced research and scientific development.

With Warehouses Here,
here and Everywhere,
Hercules is Your
Neighborhood
Chemical Company

To help you maintain balanced inventories and avoid costly overstocking, Hercules has established a national network of local warehouses run by authorized representatives. Orders for Hercules products from wholesale distributors located in these areas are shipped from these warehouses, and billing is centrally processed by Hercules Chemical Company, Inc. in its general offices.





1984

DEPOSITION
EXHIBIT
#10
Fidler
1/9/00

SOLDERS & FLUXES



swif solder

50/50 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Speeds sweat soldering and tinning jobs. Makes clean strong solder joints. One pound does the work of 3 to 4 pounds of wire solder plus flux. For copper, brass, galvanized steel, tin, iron, and all common metals — except aluminum and some grades of stainless steel. Fast, economical, easy to use. Same melting point and identical performance characteristics as equivalent alloy grade in wire, stick or bar solder. UPC Approved. Meets Fed. Spec. QQS571 and conforms to ASTM #B486. 4 oz., 1/2 lb., 1 lb., 3 lb. and 1-1/2 oz. Tube Carded.



swif 95

95/5 Tin-Antimony alloy with flux in stable paste form for brush-on applications. Four times as strong as the 50/50 Tin-Lead grade. For use in sweat soldering and tinning where temperatures will range between 200°F and 250°F or where vibration or expansion and contraction may be encountered. Approved for food piping and processing — contains no lead. Fluxes, tins and solders in one operation. UPC Approved. Meets Fed. Spec. QQS571 and conforms to ASTM #B486. 1 lb., 3 lb.



swif 40

40/60 Tin-Lead alloy with flux in stable paste form for brush-on applications. Fluxes, tins and solders in one operation. Slightly higher melting point than 50/50 and slightly less strength. UPC Approved. Meets Fed. Spec. QQS571 and conforms to ASTM #B486. 1 lb., 3 lb.



soldering paste

Self-cleaning formula. Smooth, easily applied paste flux. Aids solder in spreading faster, more uniformly. Prepares perfect sweat joints. Meets Fed. Spec. O-F-506C. 2 oz., 1/2 lb., 1 lb.



score paste flux

A unique self-cleaning, non-corrosive paste flux. Creamy-smooth consistency for easy brush-on applications without stirring. Patented. Won't freeze to 0°F. Leaves no harmful corrosive residue. No wiping. Ideal for sweat soldering on most common metals. Makes clean, leak-free joints. Perfect for air conditioning systems — no residue to react with Freon or affect compressors. Meets Fed. Spec. O-F-506C. 2 oz., 4-1/2 oz., 12 oz.



jel-flux

Specially formulated non-drip, non-runny, self-cleaning liquid flux for soft solder applications. Cleans and fluxes, retards oxide formation during heating, penetrates through oil film. For use on copper, brass, galvanized, tin, zinc and most commonly soldered metals. Not for use on aluminum. Meets Fed. Spec. O-F-506C. 4 fl. oz., 8 fl. oz.

THREAD SEALANTS, GASKETS AND PACKING



tape dope

Pipe joint compound in easy-to-use tape form. Clean; fast; for all threaded pipe, valves, fittings. Non-hardening, non-toxic. Withstands -450° to +500°F. 10,000 lbs. psi. For all types of pipe carrying acids, solvents, alkalis, steam, hot and cold water, LP gas, natural gas, oxygen and almost every chemical. Meets Mil. Spec. MIL-T-27730A. 1/4", 1/2", 3/4" and 1" widths in 200", 500" and 750" lengths.



tie pipe joint tape

Low density, high yield pipe joint sealant in easy to use tape form. For all threaded pipe, valves, fittings. Non-hardening, non-toxic. Withstands -450° to +500°F. 10,000 lbs. psi. For all types of pipe carrying acids, solvents, alkalis, steam, water, LP gas, natural gas, oxygen and almost every chemical. Meets Mil. Spec. MIL-T-27730A. 1/2" and 3/4" widths in 260", 520" and 1296". 1" x 520" and 1296" lengths. Also 1/2" x 60" and 260" carded.



tape dope lubricant

Used with TAPE DOPE on connections over 1-1/2". Applied to female connection, lubricating film prevents tearing of tape and assures leak-free joints. Container makes up to 150-2" joints. Recommended for aluminum, stainless steel; glass, rusty, nicked or poor threads. 2 oz.



real-tuff

Multi-purpose, heavy duty PTFE paste thread sealant. Non-toxic, non-separating. -200° to +550°F. 10,000 psi. Positive leak-proof seal on lines carrying LP & natural gas, acids, alkalis, gasoline, oils. Not recommended for oxygen lines. Meets Mil. Spec. TTS 1732. 2 oz. tube, 1/4 pt., 1/2 pt., 1 qt., 1 gal., 5 gal.



pipe joint compound

Non-setting formula is a smooth, prepared paste. Makes leak-proof joints. Water, natural gas, steam, ammonia, dilute acids and alkalis. Approved for natural gas. Meets Mil. Spec. TTS 1732. 2 oz. tube, 1/4 pt., 1/2 pt. (1 lb.), 1 pt. (2 lb.), 1 gal. (12-1/2 lb.), 5 gal. (65 lb.).



pro dope

No drip-no spill, pipe joint compound. For metal pipe and valves carrying natural gas, water, air, steam, ammonia, dilute acids and alkalis. No mixing; will not harden; absolutely uniform throughout can. Lubricates as it forms a tight pressure seal. Contains no lead, inhibits rust and corrosion, wipes clean from hands. Approved for natural gas. Meets Mil. Spec. TTS 1732. 1/2 pt. (1 lb.), 1 pt. (2 lbs.), 6 lb., 1 gal., 5 gal.



grip

All-purpose, leak-proof, non-hardening, pipe joint and gasket seal. Semi-liquid; brushable; forms tough, pliable film on joints, valves, flanges and gaskets. For pipes, pumps, tanks and equipment carrying steam, water, oil, gasoline, natural & LP gas, anti-freeze, refrigerants, lubricants, glycerine, solvents, brine and other gases, liquids and chemicals. -65° to -410°F. 11,500 lbs. psi. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



tuff-seal

Rope for packing, gaskets; washers. Seals valve stems, flanges. -450° to -500°F. 10,000 lbs. psi. Steam, water, acids, alkalis, solvents, petroleum products, hydraulic fluids, refrigerants; few limitations. Ferrous, non-ferrous, glass and plastic equipment. Retains lubricity; won't harden or wash out. Molds to any size, shape. Clean, non-toxic. Safe for food: distilled water, oxygen. 3/32" x 100", 5/32" x 80", 7/32" x 180", 3/32" x 24" carded.

DRAIN AND WASTE SYSTEM CLEANERS



wham Environmentally safe, biodegradable. Dissolves and controls grease, slime, soap, detergents and odors in waste systems. Clears and conditions drains, septic tanks, cesspools, grease traps and drain fields. Non-caustic, non-acid. Harmless to digestive bacteria. Regular use keeps drains and waste systems functioning properly. Cures the problem of grease-clogged soil, restoring porosity and maximum drainage. 1 qt., 1 gal., 5 gal., 55 gal.



clobber For Professional Use Only — Not For Retail Sale. This product provides the fastest method for clearing emergency waste line stoppages. No mechanical equipment needed. Rapidly disintegrates paper, rags, sanitary napkins, food scraps and all organic matter. Melts grease and ice. Special inhibitors in this strong acid prevent corrosion and make it safe for use in cast iron, copper, and steel piping. Child-proof caps. Each jug packed in plastic bag. U.S.D.A. Listed. 1 qt., 1/2 gal. plastic jugs with SAF-T-POR Spouts.



sizzle For Professional Use Only. Not For Retail Sale. Effectively removes lime, rust, scale, concrete, hard mineral deposits, insoluble salts from water systems, waste lines, humidifiers, heating, processing, air conditioning equipment. Dissolves urinary salts. Scientific inhibitors make it safe for iron, steel, copper, brass, bronze, lead, plastic. pH test kit determines when system is ready to be restored to service. Child-proof caps. U.S.D.A. Listed. 1 qt., 1 gal., plastic jug with SAF-T-POR Spouts.



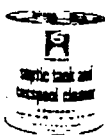
drain pipe cleaner

Free-flowing, dry crystals clear clogged and sluggish drains. Dissolves hair, grease, lint and organic matter. Generates substantial heat which aids rapid clearing. Contains aluminum to speed reaction. Works with cold water. Special fumeless formula also available. 20 oz., 34 oz. with child-proof caps.



R-D root destroyer

Clears and prevents root-blocked sewer lines. Contains no caustics or acids — harmless to skin or clothing. A systemic formula specifically for the elimination and prevention of root growth in sewer lines. Safe to use in lines leading to septic tanks. Works only on live roots — will not harm trees or shrubs. E.P.A. Reg. No. 7687-1. 2 lb., 50 lb.



septic tank and cesspool cleaner

Dissolves grease and organic matter in clogged, sluggish or malfunctioning cesspools, septic tanks and grease traps. Organic solids are rapidly liquefied and drainage conditions improved. Ideal for emergency use to eliminate back-up and overflow. U.S.D.A. Listed. 5 lb., 25 lb.



double agent Fastest acting non-acid drain opener. Easy 2-step, one-shot operation. Harmless to plumbing. Melts grease, dissolves hair. No messy bailouts. Clears most drains within 10 minutes. 16 oz. (with packet of thermium nuggets).

COLD SOLDERS AND CALKING COMPOUNDS



sta put A stainless plastic putty which will not harden, crumble, crack or shrink. A flexible, stretchable compound for professional use in setting bowls, fixtures, faucets, basin cocks, strainers, plugs, sink frames and other sealing and calking applications requiring a stainless, plastic putty with excellent adhesive qualities. Will not stick to hands. Meets Fed. Spec. TTP 1536A. 14 oz., 3 lb., 5 lb., 7 lb., 20 lb.



pro proxy Fast acting, single stick, steel-reinforced epoxy putty. Makes steel hard repairs in 20 minutes. Seals, mends, bonds, repairs almost anything — even under water. Two-part epoxy compound, mixes quickly and easily and adheres to metals, masonry, wood, glass, ceramics and most plastics. Withstands temperatures to 300°F. Compression strength 18,000 psi, tensile strength 6,000 psi. Electrically non-conductive. When cured, may be drilled, sanded, filed and painted. 4 oz.

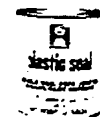


pro-poxy All purpose epoxy sealing putty. Seals, mends, bonds, repairs almost anything. Two-part epoxy compound, when mixed to a uniform color adheres to almost all surfaces: metals, masonry, wood, glass, ceramics and most plastics. Withstands temperatures to 248°F. Compression strength 7,500 psi, tensile strength 3,860 psi. Electrically non-conductive. When cured may be painted, ground, filed, sanded, drilled. 2 oz., 8 oz.



roof and flashing cement

A special bituminous composition with superior adhesion under severest weather conditions. Improved, heavy, paste-like consistency; easily applied with trowel or putty knife. Adheres to wet or moist surfaces; can be applied in rain. Forms durable, flexible weather-proof coating around flashings, cooling towers, skylights. Adheres to concrete, metal, tile, roofing and masonry. Excellent for patching, repairs and general water proofing. Meets Fed. Spec. SS-C-153C and conforms to ASTM #D2822. 1 qt., 1 gal., 5 gal.



plastic seal Strong, versatile, all-purpose repair product. Excellent lead substitute for calking soil pipe joints. One pound equals 8 pounds of calking lead. Repairs cracked, broken, or leaking pipe; enamelware; china; cast iron and clay soil pipe. Seals sand holes. Sands to a feather finish when dry. Withstands pressure on water, gas, steam and oil lines. 10 oz., 22 oz.

BOILER AND HEATING SYSTEM STOP-LEAKS

base hit II

Hydronic system leak preventer. Seals leaks throughout entire system and eliminates costly call backs. Works fast and does not clog vents, valves, pneumatic tanks, coils or controls. Normal operation of the system is not affected. "One shot" application is left in the system for continuing protection against call backs on new installations and stopping leaks on old jobs. Equally effective on steel, cast iron, copper. Works on hot water heating and chilled water cooling systems. Contains silicones. Recommended for use on all hydronic systems including those with rubber or plastic components. U.S.D.A. Listed. 12 oz., 1 gal., 5 gal.

boiler liquid

Proven liquid product for lasting repairs of cracked or leaking steam and hot water heating boilers. Will not clog system or controls. Withstands high pressures. Cannot cause odors, priming or foaming. Boiler cleaners will not affect repairs made with this product. Ideal for old and new installations. Will not clog valves or vents. Recommended for use on all hydronic systems including those with rubber or plastic components. U.S.D.A. Listed. 1 qt., 1 gal., 5 gal.

boiler solder

Free flowing powder makes a strong repair on cracked steam or hot water heating boilers. On contact with air, hardens into a strong seal which expands and contracts with boiler metal. Once set, seal will not be dislodged by boiler cleaners. Does not interfere with normal boiler operation. Works well on old or new jobs. Recommended for use on all hydronic systems including those with rubber or plastic parts. U.S.D.A. Listed. 1 lb., 50 lb.

BOILER AND HEATING SYSTEM CLEANERS AND COMPOUNDS

scout

No mixing, non-toxic, odorless, steam boiler cleaner stops priming, surging in 10 minutes. Cleans dirtiest boiler fast, no draining or flushing, while boiler operates normally. Removes rust, scale, oil, foam and other impurities. Leaves boiler water crystal clear. Assures trouble free start ups on new boilers, peak efficiency on old ones. Eliminates a major cause of pipe hammer. Safely used on food service, process equipment, sensitive applications. Recommended for use on all hydronic systems including those with rubber or plastic components. U.S.D.A. Listed. 115 gram, 15 lb.

boiler & heating system cleaner

Yellow emulsion assists rust and scale remover. Emulsifies oil, grease. Inhibits rust in new and old boiler jobs. No draining or flushing in moderately dirty boilers. Has special anti-foam agent. General purpose boiler cleaner, rust preventive. Contains silicone. Recommended for use on all hydronic systems including those with rubber or plastic components. U.S.D.A. Listed. 1 qt., 1 gal., 5 gal.

fuel oil sludge treat

Helps eliminate burner breakdowns from sludge and water in fuel oil and tanks. Disperses sludge, emulsifies water. Increases fuel tank life, minimizes breakdowns from clogged lines, strainers, nozzles. 1 qt., 1 gal., 5 gal.

JET-SPRAY

soot destroyer

Aerosol spray application removes costly fuel consuming deposits of soot and creosote in all types of heating units (oil, wood, coal, gas). Sprays hard to reach places. Harmless to metals. Leaves no residue. Approved by State of Conn. Dept. of Consumer Protection, Hartford, Permit 153. 15 oz. aerosol.

flip-stick SOOT and CREOSOTE DESTROYER. Toss-in pack for clean, easy, effective soot and creosote removal. No mixing, measuring or package to open. Flip the stick into the hot chamber or firebox. Flip-Stick removes costly fuel consuming deposits of soot and carbon. Has built-in "Corrosion Shield" which safeguards steel and stainless steel flue pipes. For oil, gas, coal and wood heating units. Non-explosive. Approved by State of Conn. Dept. of Consumer Protection, Hartford, Permit No. 153. 85 g.

furnace cement

High-Temperature compound. Ready-to-use for setting up furnaces, ranges, stoves. Makes joints acid-proof, gas-proof, smoke-proof, fireproof. Will not crumble when dry. 12 pt., 11 oz. cartridge, 12 pt., 1 pt., 12 gal.

for heat's sake

RETORT FURNACE CEMENT

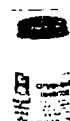
Withstands temperatures to -3000°F. Won't shrink or crack. For use on furnaces, fireboxes, boilers, stoves, combustion chambers, and many other furnace and refractory applications. Adheres to firebrick, iron, wood, or stone surfaces for a non-porous, fire-proof, acid-proof seal. Won't freeze to -10°F. 1 gal. (15 lbs.), 2 gal. (30 lbs.)

cryo-tek™ anti-freeze



Modern HVAC and fresh water system protection, combined with important chemical ingredients for corrosive protection. Protects systems down to -50°F. For use in homes, recreation vehicles, mobile homes, trailers, boats and industrial use. Non-toxic. 1 gal., 5 gal., 55 gal.

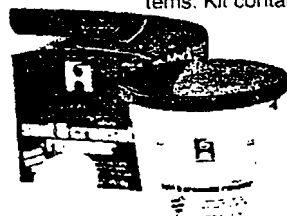
cryo-tek™ inhibitor



Helps prevent corrosion in HVAC systems containing CRYO-TEK ANTI-FREEZE and other propylene glycol solutions. 6 oz.

cryo-tek™ anti-freeze test kit

Quick, easy, accurate method to check freeze and corrosion strength of CRYO-TEK ANTI-FREEZE solutions in HVAC systems. Kit contains 10 Test Strips and color chart.



black out™ BRAND soot & creosote remover

Scientifically developed powder tested expressly for safe, efficient removal and control of soot and creosote deposits in wood, coal or oil burning stoves, furnaces and fireplaces. Non-flammable, non-explosive. Has built in "Corrosion Shield" which safeguards steel and stainless steel flue pipes. 16 oz.

black out™ BRAND soot & creosote destroyer



Removes costly fuel consuming deposits of soot and creosote in all types of heating units (oil, wood, coal, gas). Aerosol spray application reaches parts of the system difficult to clean mechanically or with other types of cleaners. Harmless to metal surfaces. Leaves no residue. Permit No. 153 State of Conn. Dept. of Consumer Protection, Hartford, CT. 15 oz. aerosol.

black out™ BRAND 1200° satin black coating



Provides heat-proof finish for wood and coal stoves, stove pipe, furnaces, grills, radiators, boilers, ovens and hoods. Formulated to withstand high temperatures on cast iron, steel, galvanized, copper and other metals commonly used for heating units. Prevents rust and corrosion. 13 oz. aerosol.

black out™ BRAND fireplace brick & stone cleaner



For fast and easy removal of stubborn stains, soot, smudges and unsightly deposits caused by wood, coal and oil fires. Safe for use on all varieties of stone, brick, masonry, slate and other rough porous surfaces. Spray on, wipe clean. 11 oz. aerosol.

CUTTING OILS, LUBE OILS AND PENETRATING OILS

cutting oil (clear)



Recommended for hand threading applications. A blend of high quality oils with a sulphur base. Meets exacting thread-cutting requirements and prolongs the life of dies and chasers. Will not stain brass or copper. U.S.D.A. Listed. 1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

cutting oil (dark)



For high speed machine thread requirements. Superior blend of quality oils with a sulphur-lard base. Keeps machine cool — protects valuable dies. Enables operator to cut precision perfect threads. U.S.D.A. Listed. 1 pt., 1 qt., 1 gal., 5 gal., 55 gal.

penetrating oil



Fast-acting, powerful penetrant quickly frees rusted and "frozen" parts. No odor. Contains Molybdenum Disulfide for high-speed penetration and smooth release. Lubricates as it penetrates. U.S.D.A. Listed. 1/2 pt., 1 pt.

JET-STREAM penetrating oil



"Jet-Stream" aerosol application saves time and assures pinpoint control. Quick penetration. No wasted over-spray. Entirely safe for metals — won't harm painted surfaces. For speedy release of "frozen," rusted or corroded parts. Contains Molybdenum Disulfide for improved lubrication and easy release. U.S.D.A. Listed. 12 oz. aerosol cans.

MULTI-PURPOSE lube oil with EXTENDA-SPOUT



For use on motors, bearings and wherever metal lubrication is desired. Non-gumming, non-toxic, will not foam during use. Non-detergent, contains rust and corrosion preventatives. Not for use on internal combustion engines or extreme heat producing operations. Telescopic EXTENDA-SPOUT makes it easier to apply to hard to reach areas. U.S.D.A. Listed. 4 oz.

PAINTS MAINTENANCE AND CLEANING COMPOUNDS

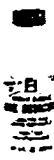


cream hand cleaner

Cleans hands thoroughly with or without water. Removes oil, grease, paint, putty, carbon, ink, adhesives — and much more. Contains purified lanolin. Prevents chapped hands. Leaves no greasy, sticky film or unpleasant solvent odor. 15 oz., 4-1/2 lb.



iron ike Dissolves rust and iron stains quickly, easily on practically anything. Unlike many rust removers which are for use on metals only, IRON IKE has a wide range of uses on all kinds of materials and surfaces, metallic and non-metallic. Especially effective on water softeners, water heaters, toilets, tubs, tile, piping, stoves, tools and more. Contains no phosphoric acid, phosphates or chlorine. 20 oz., 5 lb.

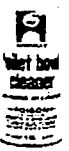


leak detector Formulated to detect and locate gas leaks in pipe lines, tanks, coils, cylinders, pressure vessels, valves, etc. Applied directly to exterior surface, bright bubble forms instantly if there is any leaking gas. Used to detect leaks of air, natural gas, refrigerants, CO₂ and almost all known gases. 8 fl. oz., 16 fl. oz.



black magic asphalt paint

Concentrated, fast drying, high gloss, black asphalt paint. Contains extra high concentration of Gilsonite for permanent waterproof and rust-proof protection. For furnaces, boilers, piping, tanks, sheet-metal. Weather resistant. 1 gal., 5 gal.



toilet bowl cleaner

No rubbing — no scrubbing. Vigorous chemicals remove unsightly dirt and stains. Harmless to toilet bowls. Free flowing powder sprinkles easily. Restores bright, clean, sparkling finish. Pleasantly scented. 20 oz.



JET SPRAY hi-heat aluminum coating

Sprays bright, even, heat resistant aluminum coating on any metal surface. Withstands continuous 500°F temperatures, peak temperatures up to 1000°F. Will not peel, blister. Perfect for tanks, piping, radiators, valves, ranges. Not paint — but long-lasting impervious coating. 12 oz. aerosol.



JET SPRAY enamel

A superior quality spray enamel for use on interior and exterior surfaces. Provides a washable, rugged water-proof finish on wood, metal, and ceramics. No lead formula dries in minutes to form a lasting, non-toxic surface. Available in four attractive colors: high gloss red, flat black, white and aluminum. 12 oz. aerosol.

blot-o OIL ABSORBER. Absorbs many times its weight in oils, water, greases and other liquids. Makes slippery floors safe. Does not react chemically. Provides safe footing and fire retarding action. 50 lb.

BRUSHES, DAUBERS AND ACCESSORIES

swif dwv and plastic pipe cement brush

One inch wide, natural bristle brush. Speeds application of material on larger size pipe and fittings. Uniformly applies enough material in one stroke — saves time.

plastic pipe cement daubers

For clean, rapid application of cements and primers. Dauber shafts extend to the bottom of the cans for which they were designed. No wasted cement. No tipping of cans. 3/4" dia. (for 1/4 pt. can), 1-1/2" dia. (for 1/2 pt., 1 pt., and 1 qt. cans).

acid, flux and swif solder brushes

5-3/4" metal shaft, natural bristle brush. For smooth even flux application.

pipe dope brush

8 inch round extra-strong natural bristle brush. Applies Pipe Joint Compound uniformly and deeply into the root of threads — in one stroke.

hand cleaner dispenser

Sturdy push-type dispenser. Fits Hercules and most other 4-1/2 lb. hand cleaner brands.

PLASTIC PIPE CEMENTS



pvc cement-clear, regular (sky blue label)

For PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium setting cement. NSF and UPC approved. Conforms to ASTM #D-2564. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



pvc cement-clear (blue label)

For PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting cement. NSF and UPC approved. Conforms ASTM #D-2564. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



below-zero pvc cement-clear (blue label)

Made to withstand storage and shipping temperatures to -10°F. (-23°C.) for PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 40 and up to 6" diameter. Medium to fast setting. NSF and UPC approved. Conforms to ASTM #D-2564. 1/2 pt., 1 pt., 1 qt.



pvc cement-clear, heavy duty (light blue label)

For PVC Types I & II potable water, DWV and SW pipe and fittings up to Schedule 80 and up to 15" diameter. Heavy duty, slow set. NSF and UPC approved. Conforms to ASTM #D-2564. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



pvc cement-gray (gray label)

For PVC Types I & II potable water, DWV and SW pipe and fittings. Heavy duty, high viscosity cement for Schedule 40 and 80 pipe and fittings up to 12. Conforms to ASTM #D-2564. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



cpvc cement (orange label)

For CPVC 23447-B (ASTM #D-1784) potable water pipe and fittings. Medium viscosity, orange cement. For pipe and fittings up to 6" diameter. NSF and UPC approved. Conforms ASTM #F-493. 1/4 pt., 1/2 pt., 1 pt.



pvc & cpvc primer (purple label)

Recommended method to soften and prepare surface of PVC and CPVC pipe and fittings before applying solvent cements. NSF and UPC approved. Conforms to ASTM #F-656. Use clean dauber. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



pvc primer (red label)

Recommended method to soften and prepare surface of PVC pipe and fittings before applying solvent cement. NSF and UPC approved. Conforms to ASTM #F-656. Use clean dauber. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



abs cement (green label)

For ABS Types I & II potable water, DWV and SW pipe and fitting up to 6" diameter. High viscosity, fast setting black cement. NSF and UPC approved. Conforms ASTM #D-2235. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



abs/pvc cement (brown label)

For joining ABS to PVC pipe or fittings up to 6" diameter. Non-pressure only. NSF and UPC approved. Conforms to ASTM #D-3138. 1/2 pt., 1 pt.



multi-purpose cement (olive label)

For joining PVC, CPVC and ABS pipe and fittings. Medium viscosity, milky color. 1/4 pt., 1/2 pt., 1 pt., 1 qt., 1 gal.



plastic pipe & fittings cleaner (yellow label)

For removing foreign matter and dirt from ABS, PVC, CPVC and styrene pipe and fittings surfaces. 1/4 pt., 1/2 pt., 1 qt., 1 gal.

TURN PAGE FOR
INFORMATION ON
BOWL SETTING
GASKETS and BOLTS

BOWL SETTING GASKETS AND BOLTS



Johni-bolt Patented, solid brass closet bolt with time saving snap-off slot and captive washer. Comes in 5/16" and 1/4" diameters. Packed one complete set (two bolts, two washers, two brass cap nuts) per plastic bag.



Johni-ring wax gasket

100% pure high grade wax gasket for installing closet bowls. Stainless, waterproof, impervious to vermin, odors, gases, acids. Bacteria free. Makes a positive, permanent, sanitary seal. Won't dry out or deteriorate. Meets Fed. Spec. TT-P-1536A.



Johni-ring wax gasket with plastic horn

100% pure high grade wax gasket with sturdy plastic horn for installing closet bowls. Horn fits 3" and 4" waste lines. Stainless, waterproof, impervious to vermin, odors, gases, acids. Bacteria free.

Makes a positive, permanent, sanitary seal. Won't dry out or deteriorate. Meets Fed. Spec. TT-P-1536A.



Johni-ring 4 wax gasket with plastic horn

100% pure high grade wax gasket with sturdy plastic horn for installing closet bowls. For 4" waste lines only. Stainless, waterproof, impervious to vermin, odors, gases, acids. Bacteria free. Makes a positive permanent, sanitary seal. Won't dry out or deteriorate. Meets Fed. Spec. TT-P-1536A.

a positive permanent, sanitary seal. Won't dry out or deteriorate. Meets Fed. Spec. TT-P-1536A.



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Every Hercules product is sold with a replacement or refund guarantee, assuring complete satisfaction to the user.

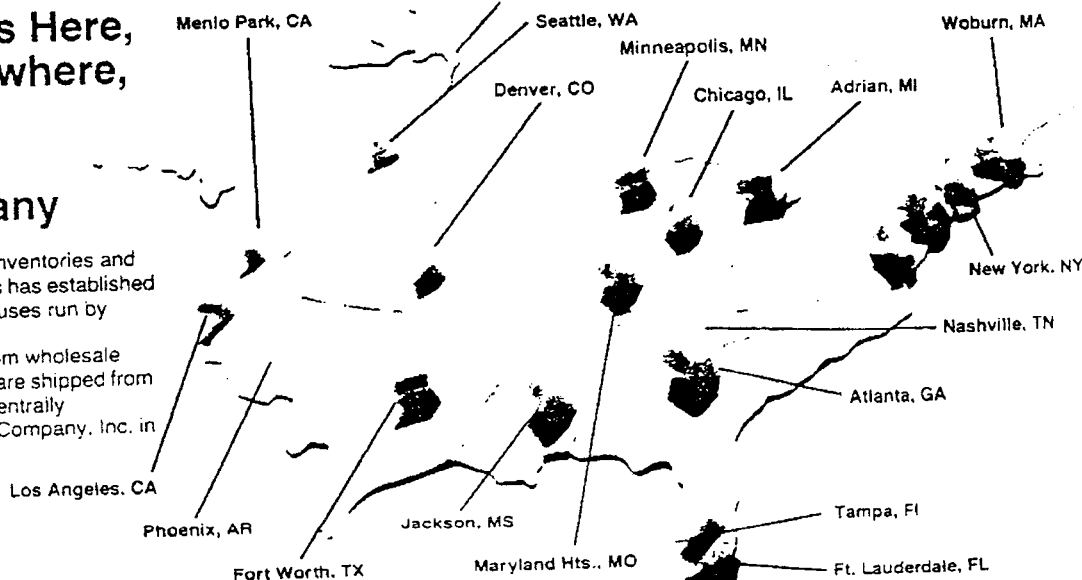
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Hercules' experience since 1915 is pledged to make available to you the practical results of vigorous advanced research and scientific development.

With Warehouses Here, There and Everywhere, Hercules is Your Neighborhood Chemical Company

To help you maintain balanced inventories and avoid costly overstocking, Hercules has established a national network of local warehouses run by authorized representatives.

Orders for Hercules products from wholesale distributors located in these areas are shipped from these warehouses, and billing is centrally processed by Hercules Chemical Company, Inc. in its general offices.



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