

DATE DEC 27, 1973

SUPPLIER'S TRADE NAME Clear Epoxy K-928;
Japco Code 92455

APPROXIMATE PERCENTAGE COMPOSITION: SOLIDS CONTENT 100 % LIQUID CONTENT %

APPROXIMATE COMPOSITION OF SOLVENT, DILUENT, THINNER, OR OTHER LIQUID: N/A

AROMATICS:

BENZENE % TOLUENE % XYLENE % OTHERS %
GIVE NAME

CHLORINATED:

CARBON TETRACHLORIDE % TRICHLOROETHYLENE % PERCHLOROETHYLENE %
METHYLENE CHLORIDE % METHYL CHLOROFORM % OTHERS %
GIVE NAME

PETROLEUM SOLVENTS:

MINERAL SPIRITS % VM&P NAPHTHA % NAPHTHA % OTHERS %
GIVE NAME

CYCLIC COMPOUNDS OTHER THAN AROMATICS (GIVE NAME AND PERCENT):

KETONES (GIVE NAME AND PERCENT):

ACETATES (GIVE NAME AND PERCENT):

ALCOHOLS (GIVE NAME AND PERCENT):

ORGANIC ACIDS (GIVE NAME AND PERCENT):

OTHER LIQUIDS (GIVE NAME AND PERCENT):

SOLID CONSTITUENTS:

1. ANTIMONY %	5. CADMIUM %	9. LEAD %
2. ARSENIC %	6. CHROMIUM %	10. MERCURY %
3. ASBESTOS 9.1 %	7. CYANIDES %	11. SELENIUM %
4. BERYLLIUM %	8. FLUORIDES %	12. SILICA %

13. OTHERS (GIVE NAME AND PERCENT) EPOXY RESIN 92.3

14. ALKALI (GIVE NAME AND PERCENT):

15. INORGANIC ACIDS (GIVE NAME AND PERCENT):

16. OTHER INORGANIC COMPOUNDS (GIVE NAME AND PERCENT):

17. ORGANIC COMPOUNDS OTHER THAN SOLVENTS (GIVE NAME AND PERCENT):

November 1992

UNITED STATES AIR FORCE

November 1992

MATERIAL SAFETY DATA SHEET

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health AdministrationForm Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

Label 34633

53357RZ

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME

American Tar Company

EMERGENCY TELEPHONE NO.

(206) 632-0828

ADDRESS (Number, Street, City, State, and ZIP Code)

1700 North Northlake Way Seattle, Washington 98103

CHEMICAL NAME AND SYNONYMS

TRADE NAME AND SYNONYMS

#1714 Plastic fibre seal

CHEMICAL FAMILY

Polycyclic Hydrocarbon

FORMULA

In conjunction with Plug N' Dike

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Asbestos & Fillers 12-16			OTHERS		
OTHERS Refined Coal Tar 84-88					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	> 150	SPECIFIC GRAVITY (H ₂ O=1)	> 1.1
VAPOR PRESSURE (mm Hg.)	< 5	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)	> 1	EVAPORATION RATE (=1)	< 1
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Black viscous liquid with aromatic odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	PMCC 200°F	FLAMMABLE LIMITS n.a.	Let	Uet
EXTINGUISHING MEDIA	Steam, water fog, carbon dioxide, foam, dry chemicals or sand			
SPECIAL FIRE FIGHTING PROCEDURES	Self-contained respiratory equipment and full protective clothing should be worn when fumes and/or smoke are present.			
UNUSUAL FIRE AND EXPLOSION HAZARDS				

November 1992

UNITED AIRWAYS

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
0.2mg/M³ for fumes (Cal Tar Pitch Volatiles-Benzene Sol. Frac.)

EFFECTS OF OVEREXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

In case of skin contact, avoid solvents, remove with waterless hand cleaners or soap and water. In case of eye contact, flush eyes immediately with plenty of water for 15 minutes minimum and call a physician.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid) None known

HAZARDOUS DECOMPOSITION PRODUCTS
When burned, toxic fumes may be emitted

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Avoid breathing fumes and contact with skin and eyes.

WASTE DISPOSAL METHOD Bury in approved landfill.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)
Use NIOSH approved masks for fumes in enclosed areas.

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	
	TVL	

PROTECTIVE GLOVES nonporous type EYE PROTECTION Safety glasses or goggles

OTHER PROTECTIVE EQUIPMENT Full clothing and protective gloves.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
If fumes are present avoid sparks or open flame.

OTHER PRECAUTIONS Avoid prolonged or repeated contact with skin.

PAGE (2) When used in small quantities with Plug N' Dike, "there are no unusual safety hazards or dangers."

Form OSHA-20
Rev. May 72

MHBB-0033622

Inmont Corporation
3738 Chouteau Avenue
St Louis, Missouri 63110
Tel 314 MO 4 6000

May 11, 1970

MMBB-0033625

Westinghouse Electric Corporation
East Pittsburgh,
Pennsylvania 15112

Mr. H. W. Speicher

Dear Mr. Speicher:

In answer to your letter of April 10, 1970 requesting the composition and other properties of our No. 670.64 please find enclosed your industrial hygiene information form which has been completed to the best of our ability.

We sincerely hope that this information will be of some assistance to you in determining if our material meets your specification of precautions.

Yours truly,


T. A. Driemeyer
Sales Department

rk

NOVEMBER 1992
ST. LOUIS, MISSOURI

NOVEMBER 1992

INSTRUMENTAL ANALYSIS

NO. 35822 INDUSTRIAL HYGIENE INFORMATION FORM

Obsolete APR 10 1970

C-8
NWBB-0033624

Date: 4-14-70

SUBJECT: Westinghouse Material No. 53351YA
Suppliers Trade Name Gray Plastic Sealer 579.64

- I. Approximate Percentage Composition: Solids Content 42 %
Liquid Content 58 %
- II. Approximate composition of solvent, diluent, thinner, or other liquid:
- A. Aromatics
Benzene % Toluene % Xylene % Others % (Give Name)
- B. Chlorinated
Carbon Tetrachloride %, Trichloroethylene %, Perchloroethylene %, Methylene Chloride %, Methyl chloroform %, Others % (Give name)
- C. Petroleum Solvents
Mineral Spirits 15 %, VM&P Naphtha %, Naphtha %, Others % (give name)
- D. Cyclic Compounds other than aromatics (give name and percent)
 %, %, %, %
- E. Ketones (give name and percent)
 %, %, %, %
- F. Acetates (give name and percent)
 %, %, %, %
- G. Alcohols (give name and percent)
 %, %, %, %
- H. Organic Acids (give name and percent)
 %, %, %, %
- I. Other liquids (give name and percent)
43% polyisobutylene %, %, %
- III. Solid Constituents:
- | | | |
|------------------------------|------------------------------|-----------------------------------|
| 1. <u> </u> % antimony | 6. <u> </u> % chromium | 10. <u> </u> % mercury |
| 2. <u> </u> % arsenic | 7. <u> </u> % cyanides | 11. <u> </u> % selenium |
| 3. <u>34</u> % asbestos | 8. <u> </u> % fluorides | 12. <u> </u> % silica |
| 4. <u> </u> % beryllium | 9. <u> </u> % lead | 13. <u>8</u> % others (give name) |
| 5. <u> </u> % cadmium | | |
14. Resins (give names and percent)
 %, %, %
If material contains an epoxy resin, what type of activator is used:
15. Alkali (give name and percent)
 %, %, %
 %, %, %

JUN 12 1963

Label 35815

OBSOLETE

C-8

Subject: Westinghouse M# 53351BJ

Suppliers Trade Name Sealer OMO 589 Beads

W488-0038618

- I. Approximate Percentage Composition: Solids Content 30 % by volume
Liquid Content 70 % by volume
- II. Approximate composition of solvent, diluent, thinner, or other liquid
- A. Aromatics **None**
Benzene % , Toluene % , Xylene % , Others % (Give name)
- B. Chlorinated **None**
Carbon Tetrachloride % , Trichloroethylene % , Perchloroethylene %
Methylene Chloroform % , Others % (Give name)
- C. Petroleum Solvents **None**
Mineral Spirits % , VM & P Naphtha % , Naphtha % , Others %
(Give name)
- D. Cyclic Compounds other than aromatics (give name and percent) **None**
% , % , % , %
- E. Ketones (give name and percent) **None**
% , % , % , %
- F. Acetates (give name and percent) **None**
% , % , % , %
- G. Alcohols (give name and percent) **None**
% , % , % , %
- H. Organic Acids (give name and percent) **None**
% , % , % , %
% , % , % , %
- I. Other liquids (give name and percent)
✓ Aromatic Petroleum Oil 70% %

III. Approximate solid constituents:

- | | | |
|-------------------------|----------------|--------------------------|
| 1. % antimony | 6. % chromium | 10. % mercury |
| 2. % arsenic | 7. % cyanides | 11. % selenium |
| 3. <u>28</u> % asbestos | 8. % fluorides | 12. % silica |
| 4. % beryllium | 9. % lead | 13. % others (give name) |
| 5. % cadmium | | 2 % Calcium |

14. Resins (give names and percent)

None

% , % , %

November 1992

IN THE AIRWAYS

PRESSTITE

39th and Chouteau Avenue St. Louis 10, Missouri

A Chemical
Products Division of

MARTIN
MARIETTA



NWBB-0033619

June 14, 1963

Westinghouse Electric Corporation
East Pittsburgh,
Pennsylvania

Attention: Mr. H. W. Speicher, Administrator
Headquarters Industrial Hygiene

Re: 589 Sealant

Dear Mr. Speicher,

Here is the information you requested June 12, 1963,
reference analysis of our No. 589 on the form you provided.

We hope the information supplied is satisfactory.

Sincerely yours,

James E. Wood
Chief Chemist
Presstite Division
MARTIN MARIETTA CORPORATION

JEW:Cj

NOVEMBER 1992

STEWART AIRBIS

NOVEMBER 1992
IN RE: ARBAMIS



INDUSTRIAL HYGIENE MATERIAL INFORMATION

NEW MATERIAL LABEL NO. 4-4-2

7-20

WESTINGHOUSE MATERIAL CODE NO. 46316BE

DATE 5/10/73

SUPPLIERS TRADE NAME HEMIT (Black)

HW88-0005911

APPROXIMATE PERCENTAGE COMPOSITION: SOLIDS CONTENT 98 % LIQUID CONTENT 2 %

APPROXIMATE COMPOSITION OF SOLVENT, DILUENT, THINNER, OR OTHER LIQUID:

AROMATICS:
BENZENE _____ % TOLUENE _____ % XYLENE _____ % OTHERS _____ %
GIVE NAME _____ %

CHLORINATED:
CARBON TETRACHLORIDE _____ % TRICHLOROETHYLENE _____ % PERCHLOROETHYLENE _____ %
METHYLENE CHLORIDE _____ % METHYL CHLOROFORM _____ % OTHERS _____ %
GIVE NAME _____ %

PETROLEUM SOLVENTS:
MINERAL SPIRITS _____ % VM&P NAPHTHA _____ % NAPHTHA _____ % OTHERS _____ %
GIVE NAME _____ %

CYCLIC COMPOUNDS OTHER THAN AROMATICS (GIVE NAME AND PERCENT):
_____ % _____ % _____ %

KETONES (GIVE NAME AND PERCENT):
_____ % _____ % _____ %

ACETATES (GIVE NAME AND PERCENT):
_____ % _____ % _____ %

ALCOHOLS (GIVE NAME AND PERCENT):
_____ % _____ % _____ %

ORGANIC ACIDS (GIVE NAME AND PERCENT):
_____ % _____ % _____ %

OTHER LIQUIDS (GIVE NAME AND PERCENT):
_____ % WATER 2 %

SOLID CONSTITUENTS:

- | | | |
|-------------------------|----------------------|----------------------|
| 1. ANTIMONY _____ % | 5. CADMIUM _____ % | 9. LEAD _____ % |
| 2. ARSENIC _____ % | 6. CHROMIUM _____ % | 10. MERCURY _____ % |
| 3. ASBESTOS <u>30</u> % | 7. CYANIDES _____ % | 11. SELENIUM _____ % |
| 4. BERYLLIUM _____ % | 8. FLUORIDES _____ % | 12. SILICA _____ % |

13. OTHERS (GIVE NAME AND PERCENT): Ball Clay 30 %

14. ALKALI (GIVE NAME AND PERCENT): PORTLAND CEMENT 38 %

15. INORGANIC ACIDS (GIVE NAME AND PERCENT):
_____ % _____ % _____ %

16. OTHER INORGANIC COMPOUNDS (GIVE NAME AND PERCENT):
_____ % _____ % _____ %

17. ORGANIC COMPOUNDS OTHER THAN SOLVENTS (GIVE NAME AND PERCENT):
_____ % Carbon Black _____ %
_____ % TRACE _____ %

03111357