PLAINTIFF'S EXHIBIT
AL-316

INDEX OF MATERIAL SHEETS

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Acetylene
Acid Hardening Fixing Bath
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Actusol
Adhesives
Aerosal
Alchlor
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Alcoa Electrical Joint Compound #2
Alcohol, Denatured
Alcohol, Ethyl
Alcohol, Methyl
Allenite and Sootoff
All-Out Dry Chemical
Alorco.
Alorco Insulating Powder
Aloxite(See Abrasives)
Alumina
Aluminum and Its Alloys
Aluminum Chloride(See Alchlor)
Aluminum Fluoride
Aluminum Paint Vehicle(2 types)
Aluminum Skim or Dross
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Caustic Potash(See Potassium Hydroxide)
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Coal
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Creosote
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Cycor

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Dispersion Dag #41
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Draino(See Drain Solvent)
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E

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Essotane
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F

Ferromanganese
Ferrophosphorous
Ferrosilicon
Fertilizer
Filmite
Filter Aid
Flit and Bug-A-Boo
Floor Sweeping Compound
Fluorescent Tubes
Fluorspar
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Fuller's Earth (See Speedi-Dri)
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Graphite
Graphite Molds and Electrodes
Gunk

H

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Hydratite
Hydrocall A-11 Plaster
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Hydrogen Fluoride and Hydrofluoric Acid
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Insulating Materials (Electrical)

J

Jennite

K

Karbaloy
Kerosene(See ML-912)
Klarifiant

L

Lampblack
Lead
Levelite and Levelite Compo
Lime, Chlorinated
Lime, Hydrated
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Liquid Parting "X"
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M

Maizo
Mercury
Metallic Grit
Methyl Chloride
Mica
Micarta
Micawash
Motor Vehicle Gases
Mortar
Mortar Color
Muriatic Acid (See Hydrochloric Acid)

N

Nacor
Nalco H-170 Weed Killer
Nalco Water Treatment
Naphtha
Nickel
Nitric Acid
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No-Ox-Id Grade A Special
No-Ox-Id Service Stored Grade(See PL-225)
No-Sludge

O

Oakite Compound #36
Oakum
Oil of Vitriol (See Sulphuric Acid)
Olive Oil
Olivine

RECEIVED TIMENOV. 4. 11:36AM PRINT TIMENOV. 4. 11:41AM

Oxides of Nitrogen
Oxygen

P

Paints and Enamels
Paint Pigments
Paint Remover
Paint Thinner and Dryers
Paraffin Wax, Carbowax, #3423 Wax
Pd 808A Compound (See PL-268)
Penetrating Oil
Perchloric Acid
Permaflex
Petroleum Ether (See Benzine)
Petroleum Naptha (See Benzine)
Phenolphthalein, Thymol Blue Solution
Phosgene
Photographic Developers
Pig Skimmings
Pipe Joint Compound
Pitch
Plaster
Plexiglas (See Lucite)
Polishes and Floor Waxes
Portland Cement
Potassium Hydroxide
Potlining Mix
Prestone (See Anti-freeze - Glycol Base)
Pumice Stone
Pyrene(See Carbon Tetrachloride)

Q

Quenching Oil

R

R-24 Flux
R-59 Flux
RAI (See Reclaimed Alumina Insulation)
Reclaimed Alumina Insulation
Recovered Cryolite
Refloco Meter Oil
Refractory Cement
Roofing Felts
Rosin
Rubbing Compound
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S

Sal Ammoniac
Sal Soda (See Sodium Carbonate)
Salt (See Sodium Chloride)
Sand
Sanifoam
Scrap Iron
Selbalith
Sewer Gas
Shellac-Varnish
Silicon
Silicone Dashpot Fluid (See ML-979)
Silicon Tetrafluoride
Slate
Soap and Cleansers
Soapstone - Talc
Soda Ash (See Sodium Carbonate)
Sodium
Sodium Aluminate
Sodium Carbonate
Sodium Chloride
Sodium Cyanide(See Cyanide Bath & Cyanogg)
Sodium Dichromate
Sodium Fluo-Borate (See Alorco)
Sodium Fluoride
Sodium Hydroxide
Sodium Silicate
Sodium Sulphate, Anhydrous
Sodium Thiosulphate
Solder
Soldering Flux
Sovasol (See ML-920)
Sovasol #1
Speedi-Dri
Steel Stubs
Steridol #3
Stoddard Solvent(See ML-920)
Stompach
Sulphur
Sulphur Dioxide
Sulphuric Acid

T

Tar
Tarvia
Tile
Transite Plasterboard, Masonite, Plywood
Trek(See Alcohol, Methyl)
Trichlorethylene
Trisodium Phosphate
TSP (See Trisodium Phosphate)
Turpentine
Tycor

U

Used Potlining

V

Vani-Sol, Sani-Flush
Vapocarb
Vaposector
Varnolene (See ML-920)
Vermiculite

RECEIVED TIMENOV. 4. 11:36AM PRINT TIMENOV. 4. 11:41AM

Vigoro (See Fertilizer)
Vulcanizing Materials

W

2, 4-D Weed Killer
Welding Rod
Welding and Brazing Fluxes
Westone
Westrosol (See Trichlorethylene)
White Lead - Red Lead
Whiting
Wood and Sawdust
Wood Block Pitch
Woodfiller

XYZ

Zeo-Dur
Zerone (See Alcohol, Methyl)
Zinc and Its Compounds
Zinc Sulphate

Oils and Greases

ML-501	ML-810	PL-143
ML-503	ML-817	PL-144
ML-510	ML-822	PL-146
ML-512	ML-864	PL-148
ML-514	ML-865	PL-171
ML-516	ML-885	PL-218
ML-522	ML-909	PL-225
ML-523	ML-910	PL-226
ML-531	ML-912	PL-248
ML-550	ML-920	PL-252
ML-551	ML-921	PL-253
ML-575	ML-959	PL-255
ML-587	ML-977	PL-256
ML-590	ML-979	PL-257
ML-605		PL-268
ML-606	PL-101	PL-350
ML-613	PL-105	PL-357
ML-679	PL-108	PL-358
ML-680	PL-111	PL-359
ML-686	PL-114	PL-360
ML-750	PL-116	PL-371
ML-767	PL-122	PL-408
ML-791	PL-136	PL-430
ML-792	PL-141	PL-456

References

May 1955

RECEIVED TIMENOV. 4. 11:36AM PRINT TIMENOV. 4. 11:41AM

POSSIBILITIES OF HAZARD
YES [X] NO [ ]

MATERIAL - ASBESTOS

TRADE OR OTHER NAME -

DEPARTMENT IN WHICH USED, PRODUCED OR HANDLED - Various departments throughout the plant.

OPERATIONAL USES - An insulation material. Mixed with water and used as a packing cement.

TRANSPORTATION & HANDLING - Received as a dry fibre in cartons.

PROPERTIES - A material consisting of various silicates such as magnesium, iron and calcium, usually in a silky, strong, fibrous state. Found in native state.

HAZARDOUS REACTION PRODUCTS - ~~None.~~

EXPLANATION OF HAZARD - ~~None as used.~~

RECOMMENDED METHOD OF CONTROL

REMARKS -

REFERENCES - 1.

Jul.29, 1952

ARD 040123

RECEIVED TIMENOV. 4. 11:36AM PRINT TIMENOV. 4. 11:41AM

POSSIBILITIES OF HAZARD	
YES	NO X

MATERIAL - ASBESTOS ROOF PUTTY

TRADE OR OTHER NAME

DEPARTMENT IN WHICH USED, PRODUCED OR HANDLED - R. & M. Misc. on roofs throughout the plant.

OPERATIONAL USES - Roof patching material.

TRANSPORTATION & HANDLING - Pails to plant - trowelled on.

PROPERTIES - Asbestos fibre in an asphalt base.

HAZARDOUS REACTION PRODUCTS - None as used.

EXPLANATION OF HAZARD - None

RECOMMENDED METHOD OF CONTROL

REMARKS

REFERENCES

JULY [illegible]

RECEIVED TIMENOV. 4. 11:36AM PRINT TIMENOV. 4. 11:40AM

POSSIBILITIES OF HAZARD	
YES [X]	NO [ ]

MATERIAL - INSULATING MATERIALS

TRADE OR OTHER NAME - Micaglass sheets, Magnesia Blocks, Pipe Covering, Calsilite Blocks, Sil-O-Cel, Alumina Hy-Temp, Cetotex, Rock Wool Batts.

DEPARTMENT IN WHICH USED, PRODUCED OR HANDLED -R&M Misc. Dept., Used throughout the plant. Potlining Dept.

OPERATIONAL USES - Insulation of furnaces, pipes,etc.
Heat insulation in reduction pots.

TRANSPORTATION & HANDLING - Rolls, bags, granules, powder, blocks.

PROPERTIES - Various compositions, the most common being asbestos, cork, glass and wool fibres.
A binder is also used in some cases where the insulation is in rolls or block form.

HAZARDOUS REACTION PRODUCTS - None.

EXPLANATION OF HAZARD - None.

RECOMMENDED METHOD OF CONTROL -

REMARKS -

REFERENCES -

August 13, 1952

ARD 040209

RECEIVED TIMENOV. 4. 11:36AM PRINT TIMENOV. 4. 11:40AM

POSSIBILITIES OF HAZARD
YES [ ] NO [X]

MATERIAL - INSULATING MATERIALS (ELECTRICAL)

TRADE OR OTHER NAME - Asbestos Board
Asbestos Tape and Rope
Asbestos Paper
Armature Twine
Cotton Tape
Commutator Cement
Fibre Tubing
Fish Paper
Friction Tape
Fibre Glass Tape
Masking Tape
Mica Glass Sheet
Mica Sheet
Mica Tubing
Plastic Insulating Tubing
Rubber Tape
Scotch Tape, Clear
Scotch Tape, electrical tape #33
Surgical Webbing Tape
Sheet Fibre and fibre rod
Varnished Cambric Cloth
Varnished Cambric Tape

DEPARTMENT IN WHICH USED, PRODUCED OR HANDLED - Electrical Motor Repair

OPERATIONAL USES - Insulating materials used in rewinding motors.

TRANSPORTATION & HANDLING - By carton or sheet from Storeroom.

PROPERTIES - The composition of these materials vary but as a group the properties are not thought to be hazardous as used.

HAZARDOUS REACTION PRODUCTS - None as used.

EXPLANATION OF HAZARD - None as used.

RECOMMENDED METHOD OF CONTROL -

REMARKS -

REFERENCES -

August 13, 1952

ARD 040210

RECEIVED TIMENOV. 4. 11:36AM PRINT TIMENOV. 4. 11:40AM

POSSIBILITIES OF HAZARD
YES [X] NO [ ]

MATERIAL - Refractory Cement, Bonding Mortar and Clay

TRADE OR OTHER NAME - Ajax Furnace, Carbofrax, Cast Refractory, Quigleys, Plastic, Lumnite, Hy-Tempite, Zircon, Narco, Harwaco Bond, Thermolith, Firefrax, Everset, Fire Bond, Fireclay, Crushed Fire Brick, Narco Crushed Fire, Sadler

DEPARTMENT IN WHICH USED, PRODUCED OR HANDLED - Boiler Houses, Remelt Depts., Carbon Rodding, R&M Miscellaneous, Potlining Dept., Electrical Depts., Carbon Plant

OPERATIONAL USES - Used to bond firebrick together in furnaces, crucibles, boiler linings, etc. Casting insulating sleeves around collector bars in reduction cells.

TRANSPORTATION & HANDLING - Bags, paper containers, or drums to job. Sometimes fireclay shipped in bulk in box cars. Unloaded by hand or by motor scoop to storage bins.

PROPERTIES - Bonding mortars and refractory cements must withstand high temperatures. There are several kinds of material used as the basic ingredient of this type of cement. Alumina is one of the most common; others are silicates, magnesite, and chrome ore.

HAZARDOUS REACTION PRODUCTS - None as used.

EXPLANATION OF HAZARD - Bonding mortar and refractory cement sufficiently ground to a fine powder will present certain hazards. Because of the high percentages of silicates present, those received in dry form must be classed as potential health hazards. The danger of silicosis or fibrosis of the lungs is remote. However, lowering of resistance to infection may result from inhalation of large quantities of the dust. Most materials are used wet, thus minimizing the possibilities of hazard.

RECOMMENDED METHOD OF CONTROL - Careful handling of the dry material to prevent excessive dusting. Wearing of respirators if dusting does occur.

REMARKS

REFERENCES - 1, 7

August 13, 1952, February 8, 1954

RECEIVED TIMENOV. 4. 11:36AM PRINT TIMENOV. 4. 11:40AM

POSSIBILITIES OF BOARD
YES [ ] NO [ ]

MATERIAL - TRANSITE, PLASTERBOARD, MASONITE, PLYWOOD

TRADE OR OTHER NAME -

DEPARTMENT IN WHICH USED, PRODUCED OR HANDLED - R&M. Misc., by carpenters.

OPERATIONAL USES - Building material.

TRANSPORTATION & HANDLING - Sheets.

PROPERTIES - A synthetic building material. May be wood fibres, gypsum, sawdust, silicates bonded together by a binder.

HAZARDOUS REACTION PRODUCTS - None.

EXPLANATION OF HAZARD - None.

RECOMMENDED METHOD OF CONTROL -

REMARKS -

REFERENCES -

August 13, 1952

ARD 040315

RECEIVED TIMENOV. 4. 11:36AM PRINT TIMENOV. 4. 11:40AM