MD-BOTH INDUSTRIES
BOX 306
NICKERSON ROAD
ASHLAND
MASSACHUSETTS 01721
TEL. (508) 881-4100
FAX (508) 881-1656

Hazard Ratings

Minimal.....0
Slight.....1
Moderate.....2
Serious.....3
Severe.....4

HEALTH	0
FLAMMABILITY	3
REACTIVITY	3
PERSONAL PROTECTION	H

MATERIAL SAFETY DATA SHEET

Date of Preparation: February 5, 1991
Prepared by: R. T. Marshall
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SECTION 1

Manufacturer's Name: MD-BOTH Industries
Street Address: 40 Nickerson Road, Ashland, MA 01721
Emergency Telephone #: CHEMTREC 800-424-9300 24HRS
Chemical Name: Aluminum Pigment/Powder
Trade Name: Aluminum 1380, 1811-NL, 1880, 1911-NL, 1980, 2080, 2480, 900-NL, ST/30, E/55, PC 730, PC 1130

SECTION 2 -- HAZARDOUS INGREDIENTS

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS#	Chemical Name	% by Weight	TLV	LEL	Vapor Pressure
7429-90-5	Aluminum	96.5	N/A	30 oz per 1000 cu feet	N/A

This product also contains the following hazardous ingredients:

CAS#	Chemical Name	% by Weight	TLV	LEL	Vapor Pressure
57-11-4	Stearic Acid	Less than 3.5%	N/A	30 oz per 1000	0.05mm Hg

All component ingredients of these products are listed in the TSCA inventory and can be found on the Canadian DSL.

These products comply with current (1994) CONEG regulations.

SECTION 3 -- PHYSICAL DATA

Boiling range (deg. F): N/A
Specific Gravity = 2.7 (H2O = 1.0)
Bulking Density 2 lbs./ gal.
Type of odor: Wax like
Appearance: Silver colored Powder
Evaporation rate: N/A
% VOC: 0.0

SECTION 4 -- FIRE AND EXPLOSION DATA

Flammability Classification: OSHA:
DOT: 4.1 UN 1309,II

Flash Point Deg. F : N/A
EXTINGUISHING MEDIA: Class D Dry chemical extinguishing agent or other suitable extinguishing material such as dry sand. Do not use Class A, B, or C extinguishers or halogenated agents. Do not use water.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Closed containers may explode when exposed to extreme heat. Water and finely divided aluminum react violently to form hydrogen gas. Aluminum burns at very high temperatures as a mass. Any disturbance that might create a dust cloud can result in explosion. LEL of dry aluminum flake is 30 ounces per 1000 cubic feet.
SPECIAL FIREFIGHTING PROCEDURES:
If the aluminum has ignited, drum should be carefully isolated and fine dry sand placed around outside of container.
Do not disturb the powder until it has cooled down to ambient temperature. do not allow dust clouds to form.

SECTION 5 -- HEALTH HAZARD DATA

Effects of Overexposure:
Eye contact may cause irritation.
Skin contact, prolonged exposure may cause irritation.
Inhalation-- May cause irritation in respiratory tract
Primary Routes of Entry: Inhalation and skin contact.
Emergency and First Aid Procedures:

Eye contact:	Flush with large amounts of water for 15 minutes or until irritation subsides. If irritation persists, call physician.
Skin contact:	Wash with soap and water. Remove and wash contaminated clothing.
Inhalation:	Remove affected person to fresh air. Restore normal breathing and administer oxygen if necessary. Call physician.
Ingestion:	Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Consult physician or poison control center immediately. Treat symptomatically.

SECTION 6 -- REACTIVITY DATA
Product Stability: stable
Conditions to avoid: Heat, sparks, open flames, water,acids, alkalies, strong oxidizing agents
Hazardous decomposition products: Aluminum reacts with water, acids, and alkalies to form hydrogen gas.

SECTION 7 -- SPILL OR LEAK PROCEDURES

Procedure When Material Spilled or Released: Remove all sources of ignition. Keep people away. Ventilate area. Using spark-proof tools remove material to leak-proof container for disposal.
Waste Disposal Method: Dispose of contaminated material in accordance with local, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

Ventilation: Use with ventilation sufficient to prevent buildup of dangerous concentrations of solvent vapor in air.
Use explosion-proof equipment. No smoking or open lights.
Protective Gloves: Use chemical resistant gloves to avoid prolonged skin contact.
Respiratory Protection: Use supplied-air respiratory protection in confined or enclosed spaces, if needed.
Eye Protection: Use chemical goggles or face shield.
Other Protective Equipment: Use chemical apron.

SECTION 9 -- SPECIAL PRECAUTIONS

Handling and Storage: Do not store above 120 degrees F. Store in closed containers in a cool, well-ventilated area.

Other Precautions: DO NOT ALLOW MATERIAL TO EVAPORATE TO DRYNESS. Do not ingest. Avoid prolonged contact with skin, contact with eyes, and breathing vapor. More detailed information on storage and handling of aluminum powders may be found in the Aluminum Association's brochure entitled "Recommendations for Storage and Handling of Aluminum Powders and Pastes".

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