



MATERIAL SAFETY DATA SHEET EDGMONT METALLIC PIGMENT INC.

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SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: All aluminum powders including 100, 682, 877, 888, 890, 889, 890, 743, 450, 812, 900, 300, 747, 1800, 550, 444nl, 350nl, 750nl, 950nl, 1150nl, 2375nl, 3400nl, 3408nl, 3509nl, 3809nl, 3119nl, 4300nl, 2300nl, 1300n, 493-SL, Astral I-430nl, Astral I-230nl, Astral I-130nl

CHEMICAL NAME: Aluminum powder.

PRODUCT DESCRIPTION: Silver colored powder with waxy odor.

CAS #: N/A (mixture)

***All ingredients are listed in EPA's TSCA list of chemical substances.

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(Chemtrec)

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS #	OSHA PEL (TWA)	ACGIH TLV (TWA)	OTHER LIMITS Recommended	PERCENT by weight
HAZARDOUS					
Aluminum	7429-90-5	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)	5 mg/m ³ OSHA (respirable fraction)	96 - 98
Stearic Acid	57-11-4	N/A	N/A	N/A	0 - 3
Oleic acid	112-80-1	N/A	N/A	N/A	0 - 3

SECTION 3 HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE CONTACT: May be irritating.

SKIN CONTACT: Prolonged contact may cause irritation.

INHALATION: May cause irritation of the respiratory tract.

INGESTION: May cause irritation to the mouth, throat, and gastro-intestinal tract.

PRIMARY ENTRY ROUTES: Skin, eye, and inhalation.

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED: Upper respiratory and lung diseases, such as emphysema, asthma, and bronchitis.

CARCINOGENICITY: IARC: No NTP: No OSHA: No

KNOWN CALIFORNIA PROPOSITION 65 CHEMICAL: None.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water for at least **15 minutes**. If irritation persists, obtain medical assistance.

SKIN CONTACT: Wash with soap and water. Remove and wash contaminated clothing.

INHALATION: Move to fresh air. If there are symptoms obtain medical assistance.

INGESTION: Drink 1 or 2 glasses of water to dilute. Do not induce vomiting. Get medical advice. Treat symptomatically.

SECTION 5 FIRE FIGHTING MEASURES

FLASHPOINT (°F) & METHOD: N/A

FLAMMABLE LIMITS: LEL: 30 ounces/1000 cubic feet UEL: No data

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.

EXTINGUISHING MEDIA: Class D dry chemical, sand, or regular protein foam or AFFF. DO NOT use a water stream or halogenated extinguishing agent. An aluminum fire may react with water to form hydrogen gas. Hydrogen gas is flammable and explosive.

FIRE FIGHTING: Use SCBA in confined areas. If the aluminum is burning with a bright, whitish glow, do not attempt to extinguish it. Isolate the fire by ringing it with dry, inert granular material such as sand, or Class D extinguishing agent then let it alone. Allow the material to become cold prior to disposal. Closed containers that are exposed to the heat of a fire should be cooled with water fog.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS: Carbon monoxide, carbon dioxide, smoke, and aluminum oxide.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area. Collect for disposal with spark-proof tools. Put in drum or other container.

SECTION 7 STORAGE AND HANDLING

Store in closed containers. Protect against electrostatic charges. Do not store above 120° F

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

EXPOSURE CONTROLS: General ventilation.

PERSONAL PROTECTION: Glasses and rubber gloves recommended.

OTHER: Wash hands during breaks and after work.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY: 2.7

MELTING POINT, °F: 1131 (aluminum)

VAPOR DENSITY (Air = 1): N/A

BOILING POINT, °F: 3645 (aluminum)

VAPOR PRESSURE, mmHg, at °F: N/A

SOLUBILITY IN WATER, wt. %: Negligible

EVAPORATION RATE (n-Butyl Acetate = 1): N/A

% VOLATILE (by weight): 0

SECTION 10 STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION: N/A

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: 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 11 TOXICOLOGICAL INFORMATION

No toxicity studies have been conducted on this product. Please refer to Section 3 for available information on potential health effects.

SECTION 12 ECOLOGICAL INFORMATION

No ecological testing has been done on this product. Please refer to Section 6 for information regarding accidental releases.

SECTION 13 DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state, and federal regulations. Contract with authorized disposal service.

SECTION 14 TRANSPORT INFORMATION

DOT SHIPPING DESCRIPTION (domestic ground shipping):

Shipping name: Aluminum Powder, Coated

Hazard Class: 4.1 (Flammable Solids)

UN Number: UN-1309

Packing Group: II

Hazard Label: Flammable Solid

SECTION 15 REGULATORY INFORMATION

TSCA: All components are listed in the TSCA Inventory.

OSHA: This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard, 29CFR 1910.1200.

KNOWN CALIFORNIA PROPOSITION 65 CHEMICAL: None.

OTHER: This product(s) contains the following SARA Section 313 Reportable Ingredients: Aluminum.

SECTION 16 OTHER INFORMATION

HAZARD RATING SYSTEMS:

This information is for people trained in National Paint & Coatings Association's (NPCA) Hazardous Materials Identification System (HMIS) and the National Fire Protection Association (NFPA 704) Identification of the Fire Hazards of Materials.

	<u>NPCA-HMIS</u>	<u>NFPA 704</u>	<u>KEY</u>
HEALTH	1	1	4 = Severe
FLAMMABILITY	3	3	3 = Serious
REACTIVITY	2	1	2 = Moderate
			1 = Slight
			0 = Minimal

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