

MATERIAL SAFETY DATA SHEET

Aluminium Powder Coated (CONC)

Section I. Chemical Product and Company Identification

Supplier:

Sri Kaliswari Metal Powders Private Limited

5-A, Chairman A. Shunmuganadar road

Sivakasi-626123, INDIA

00-91-4562-234300

- Chemical Name : Aluminium Powder - Coated
- Synonym : Aluminium Powder Coated (Conc)
- CAS Number : 7429-90-5
- Chemical formula : Al

Section II. Composition and information on ingredients

Chemical name	CAS#	Percent
Aluminium	7429-90-5	78 - 99%
Aluminium Oxide 10mg/cu.m	1344-28-1	0.5 - 12%
Poly Ethylene Glycol Established	9050-57-1	0.5 – 2%

Section III Identification:

- Acute Health Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.
- Chronic Health Effects: This product has no known chronic effects. Repeated or prolong exposure to this product has no known compound and it is not known to aggravate medical conditions.

Section IV. First Aid Measures

- First Aid for Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if necessary.
- First Aid for Skin: In case of contact, flush skin with water. Wash clothing before reuse.
- First Aid for Inhalation: If inhaled, remove to fresh air.
- First Aid for Ingestion: If swallowed, rinse out mouth and drink high amount of water. call a physician if necessary.

Section V. Fire and Explosion Data

- Flammability: Non-Flammable
- Flash Points: Not Applicable
- Extinguishing Media: Dry Chemical Powder. Dry Sand. DO NOT USE WATER, FOAM, CO₂.
- Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
- Fire/Explosion Hazards: Emits toxic fumes under fire condition. Do not expose to air and fire. This material, like most materials in powder form, is capable of creating a dust explosion. DO NOT DISTURB METAL POWDER WHILE EXTINGUISHING THE FIRE.

Section VI. Accidental Release Measures

- Spill or Leak Procedures: Utilize recommended protective clothing and non sparking equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with plenty of water. Collect wash water for approved disposal. Keep the wash from entering to ground.

Section VII. Handling and Storage

- Storage Temperatures: Store at ambient temperature
- Shelf Life: Unlimited in tightly closed container.
- Special Sensitivity: Avoid accidental contact with acid / water / chemicals
- Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages. Avoid sources of sparks or other sources of ignition

Section VIII. Exposure Controls/Personal Protection

- Eye Protection: Safety glasses or goggles.
- Skin Protection: PVC gloves with impervious boots, apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.
- Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, an approved dust respirator must be worn.
- Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.
- Additional Protective Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.

Section IX. Physical and Chemical Properties

- Physical Form: Flaky Powder
- Color: Silver
- Odor: Slight Odour
- Molecular Weight: 26.98
- Boiling Point: 2630°C(4766°F)
- Melting/Freezing Point: 660°C(1220°F)
- Solubility In Water: Soluble
- Specific Gravity: 2.6 (Typically)

Section X. Stability and Reactivity

- Stability: Stable in dry form.
- Hazardous Polymerization: Will Not occur
- Incompatibilities: Acids, acid chlorides, alkalis, oxidizing agents, halogens, air sensitive, moisture sensitive.
- Instable Conditions: Excessive temperatures (see Incompatibilities).
- Decomposition Temperature: Not Established
- Decomposition products: Toxic fumes of aluminum oxide could react with water, acids, and alkalis to form combustible hydrogen gas.

Section XI. Toxicological Information

- Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.
- Chronic Toxic Effects: Not known to cause any long term harmful health effects
- Acute Toxic Effects: Mild irritant to skin, eyes and respiratory system

Section XII. Ecological Information

- Ecotoxicity: This product may cause adverse environmental effects. Employ management practices which prevent material from contacting storm water, entering waterway, or otherwise impacting plant and animal species.

Section XIII. Disposal Considerations

- Waste Disposal Method: Waste disposal should be in accordance with existing Central, state and local environmental regulations.

Section XIV. Transportation Information

- Proper Shipping Name: Aluminium Powder Coated
- UN Number: 1309
- Transport Over land ADR / RID Class – 4.1
- Transport Over sea / MDG Class – 4.1
- Transport Over ICAO / IATA Class – 4.1
- P.G.: II
- DOT Label: Flammable Solid

