

EMS CATALOG NO: 50360-01
EMS PRODUCT: Alumina Powder
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MATERIAL SAFETY DATA SHEET

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FOR PRODUCT AND SALES INFORMATION

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PRODUCT IDENTIFICATION

PRODUCT NAME: Alumina; aluminum oxide powder
(all types and micron sizes)

DESCRIPTION: Polishing powder

COMPOSITION/INFORMATION ON INGREDIENTS

NAME	CASE NUMBER	PERCENT	OSHA PEL	ACGIH TLV
Aluminum oxide	1344-28-1	100	10 mg/m3 (total) 5 mg/m3 (respirable)	10mg/m3 (total) 5mg/m3 (respirable)

HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

May create nuisance dust; may aggravate existing dermatitis.

POTENTIAL HEALTH EFFECTS

EYE: May cause minor irritation.
SKIN: May cause drying of the skin.
INGESTION: Not expected to be an ingestion hazard.
INHALATION: Excessive exposure may cause cough, mucous production, and shortness of breath.

CHRONIC HEALTH EFFECTS/CARCINOGENICITY

NTP, OSHA and IARC: Not listed.
MEDICAL RESTRICTIONS: None known.

FIRST-AID MEASURES

EYES: Flush with water for 20 to 30 minutes while holding eyelids open. Obtain medical attention if irritation persists.
SKIN: Wash with soap and water.
INGESTION: Call a physician.
INHALATION: Remove to fresh air. Call a physician if shortness of breath persists for more than 15 minutes.

FIRE FIGHTING MEASURES

FIRE FIGHTING: Not applicable.
EXTINGUISHING MEDIA: " "
HAZARDOUS COMBUSTION PRODUCTS: Not applicable.
FLASH POINT: Not applicable.
LOWER FLAMMABLE LIMIT: Not applicable.
UPPER FLAMMABLE LIMIT: Not applicable.
AUTOIGNITION: Not applicable.
CONDITIONS OF FLAMMABILITY: Not applicable.

EXPLOSION DATA

Impact sensitivity: Not applicable.
Static discharge: Not applicable.

ACCIDENTAL RELEASE MEASURES

GENERAL: Avoid generating dust.
SMALL SPILLS: Sweep or scoop up material.
LARGE SPILLS: " " "

HANDLING AND STORAGE

HANDLING: Wear appropriate protection; use adequate ventilation.

STORAGE:

Keep container closed when not in use. Store in a cool, dry place.

EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Use adequate ventilation to meet exposure limits.

RESPIRATORY PROTECTION: NIOSH-approved respirator.

EYE PROTECTION: Splashproof goggles.

SKIN PROTECTION: Rubber gloves.

OTHER: Eye bath and safety shower should be available.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid in the form of a powder.

COLOR/ODOR: White-odorless

SPECIFIC GRAVITY: 3.98, water=1

VAPOR PRESSURE: 1 mm Hg at 3917oF

VAPOR DENSITY: Not listed.

EVAPORATION RATE: Not applicable.

VOLATILE FRACTION BY

WEIGHT: Zero.

BOILING POINT: 5391oF

MELTING POINT: 3722oF

DYNAMIC VISCOSITY: Not applicable.

KINEMATIC VISCOSITY: Not applicable.

SOLUBILITY IN WATER: Insoluble.

pH: Not applicable.

STABILITY AND REACTIVITY

STABILITY: Stable.

REACTIVITY: Unreactive.

INCOMPATIBILITY: Not applicable.

HAZARDOUS POLYMERIZATION: Will not occur.

DECOMPOSITION: Not likely.

TOXOLOGICAL INFORMATION

ACUTE TOXICITY: Oral - Inhalation - Dermal=Not listed.

DISPOSAL INFORMATION

RCRA HAZARDOUS WASTE: Not defined as a hazardous waste under RCRA.
WASTE DISPOSAL:
Ordinary solid waste methods is recommended, if permitted under
Federal, State, and local regulations.

TRANSPORTATION INFORMATION

DOT HAZARD CLASS: Not regulated.
PROPER SHIPPING NAME: " "
I.D. NUMBER: " "

REGULATORY INFORMATION

Federal EPA

SARA TITLE III: Listed on Section 313
TSCA STATUS: All ingredients of this product are on the
TSCA inventory.
WHMIS CLASSIFICATION: Not listed.

STATE RIGHT-TO-KNOW

California-65: Not listed.
Florida: Not listed.
Massachusetts: Not listed.
New Jersey: Not listed.
Pennsylvania: Aluminum oxide.

HMIS CODE: Health=1 Flammability=0 Reactivity=0
0=minimal hazard 1=slight hazard 2=moderate hazard
3=serious hazard 4=extreme hazard

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