

## **Aluminum Oxide**

Section 1	Product Description
Product Name:	Aluminum Oxide
Recommended Use:	Sandblasting, wear-resistant coating, non-slip flooring
Uses Advised Against:	None Identified
Distributor:	Global Abrasive Products, Inc.
	19100 Industrial Dr., Vulcan, MI 49892
	1-800-985-2252
Chemical Information:	1-800-985-2252 (8 am - 5 pm (CST) M-F)
E-Mail:	sales@global-abrasive.com
Section 2	Hazard Identification
Classification of the substance or Mixture	

- GHS Classification:Not classified as dangerousUS OSH Certification:Not classified as dangerous
- Other safety Precautions: Prolonged exposure to elevated noise levels during operations may affect hearing. The dust generated from abrasive blasting has a potential hazard because of the materials being blasted (ie paint, coatings, rust, etc.

Section 3	Composition/Information on Ingredients		
CHEMICAL NAME	CAS NUMBER	AMOUNT	EU/GHS CLASSIFICATIONS
Aluminum Oxide	1344-28-1	90-100%	Not dangerous or hazardous

Section 4	First Aid Measures	
Emergency and First	st Aid Procedures	
Inhalation: Eyes:	In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of contact with eyes, rinse immediately with water and seek medical advice.	
Skin Contact: Ingestion:	After contact with skin, wash with plenty of water If swallowed do not induce vomiting: seek medical advice and show this sheet or label on container.	
Section 5	Firefighting Procedures	
Extinguishing Media Special Hazards:	a: Use any media that is suitable for surrounding fire. This product is not flammable or combustible, however, there is potential risk from the base material being processed. Many materials create	

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Advice to Fire-Fighters:flammable/explosive dusts or turnings when machined or ground.Firefighters should wear positive pressure self-contained breathing<br/>apparatus and full protective clothing for fire involving chemicals.

Section 6	Accidental Rele	ease Measures	
Personal precautions	area. Avoid in appropriate res	sary personnel away. Keep halation of dust from the sp spirator and protective cloth	illed material. Wear
Methods for clean up		nalation of dust. acuum up spillage. Clean u ulations.	up in accordance with all
Section 7	Handling an	id Storage	
Handling	-	borne dusts to a minimum.	-
Storage	•	es. Use only with adequate quired. Keep container clo	
Section 8	Exposure Controls/I	Personal Protection	
Chemical Name	Туре	Value	Form
Aluminum Oxide (1344-28	3-1) TWA	1.000 mg/m3	Respirable fraction
Occupational exposure lin U.S OSHA Material	nits Type	Value	Form
Aluminum Oxide (1344-28	3-1) PEL	15.0000 mg/m3 5.0000 mg/m3	total dust repirable fraction
Engineering control	Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling. If engineer- ing measures are not sufficient to maintain concentrations of dust particulates below the OEL, suitable repiratory protection must be worn.		
Personal protective equipment	Use tight fitting goggles if dust is generated. Wear appropriate clothing to prevent repeated or prolonged skin contact. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable), an approved respirator must be worn. Respirator type: High efficiency particulate respirator.		
Section 9	Physical and Chemica	al Properties	
Appearance: Powder Odor threshold: N/A Physical state: solid	S	Flammability limits (gas/solid Specific gravity: 4 Relative density: N/A	d): N/A

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Form: Powder pH: N/A Flash point: N/A Boiling Point: 3977 °C (5390.6 °F) Auto-ignition temperature: N/A Decomposition temperature: N/A Molecular formula: A1203 Melting Point: 2050 °C (3722 °F)

Section 10	Chemical Stability & Reactivity
Reactivity	Not reactive under normal conditions of use and storage
Chemical Stability	Stable
Conditions to Avoid:	None known
Incompatible Materials:	None known
Hazardous decomposition	
products:	None known
Possiblity of hazardous	
reactions:	Hazardous polymerization does not occur.
Section 11	Toxicological Information
Inhalation:	Breathing dust may cause irritation to nose, throat and upper respiratory
	tract.
Skin Contact:	May cause abrasive skin irritation
Eye Contact:	May cause abrasive irritation
Ingestion:	Not toxic. Swallowing may cause gastrointestinal disturbances.
Chronic Health Effects:	Prolonged inhalation of repirable dust may casue adverse lung effect.
Specific Organ Toxicity:	With Repeated Exposure-recent studies of alumina refinery employees
	indicate that current exposures to aluminum compounds are not associa-
	ted with adverse respiratory effects.
Skin Irritation:	Aluminum oxide was not a skin irritant in animal studies. Skin contact
Pospiratory Irritation:	may result in abrasive injury.
Respiratory Irritation: Sensitization:	No chemical irritation expected. Not expected to be a skin or respiratory sensitized based on human
Sensilization.	experience.
Germ Cell Mutagenicity:	None of the components have been shown to cause mutagenic activity
Carcinogenicity:	Aluminum oxide is not listed as a carcinogen or potential carcinogen by
	ACGIH, IARC, NTP, OSHA or the EU CLP.
Reproductive effects:	No specific data; however, this product is not expected to present a risk of
·	adverse reproductive or developmental taxicity.
Section 12	Ecological Information
Toxicity:	Aluminum: NOEC 96 hr Salmo trutta>100 mg/L; NOEC 48 hr daphnia
	magna>100 mg/L; NOEC 72 hr Selenastrum capricornuturn >100 mg/L
Degradability:	Biodegradation is not applicable to inorganic substances
Bioaccumulative Potential:	
Mobility in Soil:	No data available
Other Adverse Effects:	None known

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Section 13 Disposal Information			
Disposal Methods: Dispose in accordance with all Federal, State and Local regulation Local regulations may be more stringent than regional and nation requirements. Contact a permitted waste disposer (TSD) to assu compliance.			
Section 14	Transport Information		
IATA: Not regulate	d as dangerous goods. d as dangerous goods. d as dangerous goods.		
Section 15	Regulatory Information		
US Federal Regulations:	This material contains one or more of the following chemicals required to be identified under SARA Sections 302/304 (40 CFR 355 Appendix A). SARA Section 313 (40 CFR 372.65). CERCLA 940 CFR 302.4), TSCA 12 (b), and/or required an OSHA process safety plan. Aluminum oxide (1344-28-1) SARA 313: 1.0% de minimis concentration (fibrous forms)		
SARA 311.322 Hazard Categories Acute Health - No Chronic Health - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Section 311 hazardous chemical - Yes			
Aluminum Oxide appears on these states hazardous substances list: CA, MA, MN, NJ, & PA Not regulated under California Proposition 65			
Canada: WHMIS CLA	SSIFICATION: D2B		
Section 16	Other Information		
NFPA RATING (NFPA 704 HMIS RATING	) FIRE: 0 HEALTH: 1 INSTABILITY: 0 FIRE: 0 HEALTH: 1 PHYSICAL HAZARD: 0		
EU and GHS Classes and	Risk Phrases and Hazard Statements for Reference (See Section 2 & 3)		

EU and GHS Classes and Risk Phrases and Hazard Statements for Reference (See Section 2 & 3) None

SDS Revision History: All Sections revised.

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