

# Safety Data Sheet



## Section 1 - Chemical Identification

Product Name: Aluminum Oxide  
Catalog Numbers: CI-1275, CI-1276  
SDS number: 30  
Intended use: Laboratory use

**Company** Crossings, Inc.  
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## Section 2 - Hazards Identification

**Classification:** The substance is not classified as hazardous according to the Globally Harmonized System-GHS.

**Label elements:** Not Required.

**Signal Word:** None

**Hazard statement:** Mixture does not meet criteria for classification.

**Precaution Statement:** Observe good industrial hygiene practices. Wash hands after handling. Store in a dry place. Dispose of waste/residues in accordance with local requirements.

**Other Hazards:** None

## Section 3 - Composition, Information on Ingredients

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS#</u>	<u>%/W</u>
Aluminum oxide		1344-28-1	<100

## Section 4 - First Aid Measures

**GENERAL ADVICE:** Consult a physician. Show this safety data sheet to the doctor in attendance.

**EYES:** Flush eyes with plenty of water. **If eye irritation persists:** Seek medical aid.

**SKIN:** Wash skin with plenty of water. Seek medical aid if irritation develops or persists.

**INGESTION:** Wash out mouth. **Do not induce** vomiting unless suggested by a doctor. Seek medical aid.

**INHALATION:** Remove to fresh air immediately. If symptoms persists seek medical aid.

## Section 5 - Fire Fighting Measures

**Flash Point:** N/A. **Auto-ignition Temperature:** N/A

**Suitable Extinguishing Media:** Use regular dry media or water.

**Unsuitable Extinguishing Media:** N/A

**Hazards Arising from Chemical:** No relevant information is available.

**Specific Methods:** Firefighters use standard protective equipment and respiratory equipment.

## Section 6 - Accidental Release Measures

**Personal Precautions:** Use suitable protection equipment when cleaning up any spills.

**Recovery method:** Avoid dust creation. Gently sweep up, collect in suitable container, use a damp cloth to wipe up dust. Dispose of material in according to local, state and federal regulations.

## **Section 7: Handling and Storage**

**Handling:** Avoid dust creation. Avoid breathing dust. Wash all areas after handling. Avoid eye, skin and clothing contact. Use in a proper ventilated area.

**Storage:** Keep container closed when not in use- store in a clean dry and well ventilated environment.  
Store away from oxidizing agents.

## **Section 8 - Exposure Controls, Personal Protection**

CAS#	Chemical Name	Form	OSHA PEL(mg/m3)	ACGIH TLV(mg/m3)	NIOSH TWA(mg/m3)
1344-28-1	Aluminum oxide	Respirable Fraction	5	-	5
		Total Dust	15		10

**Controls:** Use adequate ventilation to keep airborne concentrations below the permissible exposure limits.

**Eye and Face Protection:** Wear appropriate protective eyeglasses or chemical safety goggles.

**Skin:** Wear appropriate gloves.

**Clothing:** Wear appropriate protective clothing to prevent contact.

**Respirators:** Use an approved respirator.

## **SECTION 9 - Physical and Chemical Properties**

**Physical state:** Spheres

**Appearance:** White

**Odor:** None

**PH:** Slightly Alkaline.

**Vapor pressure:** N/A

**Vapor density:** N/A

**Evaporation rate:** N/A.

**Viscosity:** not available.

**Boiling point:** 2090°C

**Freezing/melting point:** N/A

**Decomposition temperature:** N/A.

**Solubility in water:** Insoluble

**Specific gravity:** 3.6—3.9

**Molecular formula:** Al<sub>2</sub>O<sub>3</sub>

## **Section 10 - Stability and Reactivity**

**Stability:** Stable under normal temperature and pressure conditions.

**Conditions to avoid:** No further relevant information.

**Hazardous Decomposition:** None

**Incompatible materials:** Keep away from moisture and incompatible materials.

## **Section 11 - Toxicological Information**

### **Information on routes of exposure.**

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled. May cause irritation to the respiratory system.

**Skin contact:** May be irritating to the skin.

**Eye contact:** Dust in the eyes will cause irritation. Direct contact with eyes may cause temporary irritation.

### **Information on toxicological effects**

**Acute toxicity:** No data available.

**Skin corrosion/irritation:** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation:** Dust will cause irritation.

**Respiratory sensitization:** No data available.

**Skin sensitization:** No data available.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)** Not listed.

**Reproductive toxicity:** No data available.

**Specific target organ toxicity - single exposure:** No data available.

**Specific target organ toxicity - repeated exposure:** No data available.

**Aspiration hazard:** Not available.

**Chronic effects:** Prolonged inhalation may be harmful.

### **Section 12 - Ecological Information**

**Eco-toxicity:** No data

**Mobility in soil:** No data.

**Persistence and Degradability:** No data

**Bio-accumulative Potential:** No data.

### **Section 13 - Disposal Considerations**

Dispose of according to applicable federal, state and local regulation.

### **Section 14 - Transport Information**

Not regulated as a Hazardous material by DOT / TDG / IMDDG / IATA

### **Section 15 - Regulatory Information**

US Federal Regulations:

U.S. TSCA Inventory: Listed

This product is not known to be a "Hazardous Chemical" as defined by OSHA Communication Standard, CFR 1910.1200.

CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.

SARA 313 Title III Section 302: Not regulated.

SARA 313 Title III Section 304: Not regulated

SARA 313 Title III Section 313: Not regulated.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories: No

TSCA 12(b), Export Notification: Not listed.

Canadian WHMIS: Information is not provided for this material.

**State Regulations:** California Proposition 65: Not listed

### **Section 16 – OTHER INFORMATION**

The information provided in the SDS is believed to be correct to the best of our knowledge and is attended only as guidance for the safe use, storage and disposal of the product. Crossings Inc, cannot assure the accuracy of the information provided and shall not be responsible or liable for any damage or losses resulting from use.

**Date:** October 7, 2015