

# Material Safety Data Sheet

24 Hour Assistance:  
1-847-367-7700  
Rust-Oleum Corp.  
[www.rustoleum.com](http://www.rustoleum.com)

## Section 1 - Chemical Product / Company Information

Product Name: Aluminum Oxide  
Identification Number: 237832  
Product Use/Class: Aggregate  
Supplier: Rust-Oleum Corporation  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA  
Preparer: Regulatory Department

Revision Date: 01/11/2007  
Manufacturer: Rust-Oleum Corporation  
11 Hawthorn Parkway  
Vernon Hills, IL 60061  
USA

## Section 2 - Composition / Information On Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Weight % Less Than</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH TLV-STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Alpha Alumina	1344 -28-1	100.0	10 MG/M3	N.E.	15 MG/M3	N.E.
Titanium Dioxide	13463-67-7	5.0	10 mg/m3	N.E.	10 mg/m3	N.E.

## Section 3 - Hazards Identification

\*\*\* Emergency Overview \*\*\*: Harmful if inhaled. May cause delayed lung damage.

Effects Of Overexposure - Eye Contact: Irritating, and may injure eye tissue if not removed promptly.

Effects Of Overexposure - Skin Contact: Low hazard for usual industrial handling or commercial handling by trained personnel.

Effects Of Overexposure - Inhalation: Harmful if inhaled.

Effects Of Overexposure - Ingestion: Expected to be a low ingestion hazard.

Effects Of Overexposure - Chronic Hazards: No Information.

Primary Route(s) Of Entry: Inhalation, Eye Contact

## Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

First Aid - Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.

First Aid - Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

First Aid - Ingestion: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

## **Section 5 - Fire Fighting Measures**

Flash Point: NA F  
(Setaflash)

Lower Explosive Limit: NA %  
Upper Explosive Limit : NA %

Extinguishing Media: Dry Chemical, Foam, Water Fog

Unusual Fire And Explosion Hazards: No unusual Hazards

Special Firefighting Procedures: If water is used, fog nozzles are preferred.

## **Section 6 - Accidental Release Measures**

Steps To Be Taken If Material Is Released Or Spilled: Isolate and dispose of in accordance with state and federal regulations.

## **Section 7 - Handling And Storage**

Handling: Use with adequate ventilation.

Storage: Keep container closed when not in use.

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

Engineering Controls: Provide general dilution of local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin Protection: Use gloves to prevent prolonged skin contact.

Eye Protection: Wear safety glasses with side shields (or goggles) and a face shield.

Other protective equipment: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or smoking.

## **Section 9 - Physical And Chemical Properties**

Boiling Range: NA - NA F

Vapor Density: N.A.

Odor:	None	Odor Threshold:	ND
Appearance:	White, granular	Evaporation Rate:	N.A.
Solubility in H <sub>2</sub> O:	None		
Freeze Point:	N.D.	Specific Gravity:	3.976
Vapor Pressure:	ND	PH:	N.E.
Physical State:	Solid		

(See section 16 for abbreviation legend)

## Section 10 - Stability And Reactivity

Conditions To Avoid: No Information.

Incompatibility: Not applicable for this product.

Hazardous Decomposition: May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain: carbon monoxide, carbon dioxide, chlorine, hydrogen chloride and possible cyanide and MDI.

Hazardous Polymerization: Will not occur under normal conditions

Stability: Stable under normal conditions

## Section 11 - Toxicological Information

Product LD<sub>50</sub>: N.D.

Product LC<sub>50</sub>: N.D.

### Chemical Name

Alpha Alumina  
Titanium Dioxide

### LD<sub>50</sub>

>7500 mg/kg (ORAL, RAT) N.D.

### LC<sub>50</sub>

## Section 12 - Ecological Information

Ecological Information: Product is a mixture of listed components.

## Section 13 - Disposal Information

Disposal Information: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

## Section 14 - Transportation Information

DOT Proper Shipping Name:	N.A.	Packing Group:	---
DOT Technical Name:	---	Hazard Subclass:	---
DOT Hazard Class:	Not Regulated	Resp. Guide Page:	---
DOT UN/NA Number:	----		

## Section 15 - Regulatory Information

### CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD

### SARA Section 313:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

### Toxic Substances Control Act:

Listed below are the substances (if any) contained in this product that are subject to the reporting requirements of TSCA 12(B) if exported from the United States:

### U.S. State Regulations: As follows -

#### New Jersey Right-to-Know:

The following materials are non-hazardous, but are among the top five components in this product.

<b><u>Chemical Name</u></b>	<b><u>CAS Number</u></b>
Amorphous Silica	7631-86-9
Iron Oxide	1309-37-1
Aluminum Hydroxide	21645-51-2

#### Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

None

#### California Proposition 65:

WARNING! This product contains a chemical(s) known by the State of California to cause cancer.

WARNING! This product contains a chemical(s) known to the state of California to cause birth defects or other reproductive harm.

### International Regulations: As follows -

#### CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

**CANADIAN WHMIS CLASS:** D2B

## Section 16 - Other Information

### HMIS Ratings:

Health: 2

Flammability: 0

Reactivity: 0

Personal Protection: X

**VOLATILE ORGANIC COMPOUNDS, g/l:** 0 g/l

**REASON FOR REVISION:** Regulatory Update

**Legend:** N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.