



# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

### Product Identifier

Product Name Aluminum Oxide  
Alternate Product ID

### Recommended Use of the Chemical and Restrictions on Use

Recommended use Coating Additive  
Uses advised against No data available

### Details of the Supplier of the Safety Data Sheet

#### Manufacturer Address

Deco-Crete Supply Inc. 133 North Kohler Road, Orrville, OH 44667 Telephone (330) 682-5678

#### Emergency Telephone Number

Supplier phone number (330) 682-5678  
24 Hour emergency phone number 800-535-5053 (United States & Canada) 1-352-323-3500 (International)

## SECTION 2: HAZARD(S) IDENTIFICATION

### Hazard Classification

#### OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)  
Not classified for physical or health hazards under GHS.

Signal Word Not Applicable

Hazard Statements Not Applicable

Pictograms Not Applicable

#### Precautionary Statements

Prevention Not Applicable

Response Not Applicable

Storage Not Applicable

Disposal Not Applicable

#### Hazard(s) Not Otherwise Classified (HNOC)

None known

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Non-Hazardous Components

Chemical Name	CAS Number	Weight Percentage
Aluminum Oxide	1344-28-1	*

**This product does not contain hazardous components**

\*The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES

### First Aid Instructions/Measures

#### **Eye Contact**

Rinse eyes with water for several minutes, remove contact lenses (if present) and continue rinsing. If symptoms persist, consult a doctor.

#### **Skin Contact**

Brush off loose particles from skin. Clean with water and soap. If skin irritation is experienced, consult a doctor.

#### **Inhalation**

Respiration of particulates is unlikely during normal usage. Supply fresh air; consult doctor in case of complaints.

#### **Ingestion**

Rinse out mouth and then drink plenty of water. Consult a doctor in the event of accidental ingestion. Do not induce vomiting.

### Most Important Symptoms and Effects, Both Acute and Delayed

#### **Symptoms**

Coughing, gastric or intestinal disorders, and breathing difficulty. Seek medical attention if breathing is impaired.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

#### **Note to physicians**

Not applicable

## SECTION 5: FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use firefighting measures that suit the environment.

### Unsuitable Extinguishing Media

None

### Specific Fire and Explosion Hazards Arising from the Chemical

None

### Hazardous Decomposition Products

None

### Special Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool surrounding fire-exposed equipment, containers, tanks and structures with water spray or stream. Take precautionary measures against static discharges.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Use respiratory protective device against the effects of fumes/dust/aerosol. For large spills, wear protective clothing. Avoid formation of dust. Ensure adequate ventilation.

### Environmental Precautions

No special measures required.

### Containment and Clean-up Measures

Pick up mechanically. For waste disposal, see section 13 of the SDS.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

Prevent formation of dust. Any deposit of dust which cannot be avoided must be regularly removed. Use only in well ventilated areas. Avoid breathing dust. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water. Information about protection against explosions and fires: No special measures required.

### Conditions for Safe Storage

Store in cool, dry conditions in well-sealed receptacles. Store receptacle in a well-ventilated area. Protect from humidity and water. This product is hygroscopic. Keep away from children.

### Incompatible Materials

Store away from oxidizing agents. Store away from foodstuffs.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits/Guidelines

Exposure Limits/Guidelines		
Chemical Name	Result	ACGIH/OSHA
Aluminum Oxide (CAS 1344-28-1)	STEL	No data available
	TWA	5 mg/m <sup>3</sup> - Inhalable fraction 5 mg/m <sup>3</sup> - Respirable 10 mg/m <sup>3</sup> - Total
	PEL	5 mg/m <sup>3</sup> - Respirable fraction 15 mg/m <sup>3</sup> - Total dust

### Industrial Hygiene/Ventilation Measures

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. The usual precautionary measures for handling chemicals should be followed. Keep away from food, beverages, and feed. Wash hands before breaks and at the end of work. Avoid contact with eyes. Avoid close or long-term contact with the skin. Do not inhale dust/smoke/mist.

### Personal Protective Equipment

#### **Respiratory protection**

Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable.

#### **Hand protection**

Wear chemical resistant, impermeable gloves.

#### **Eye protection**

Wear approved safety goggles.

#### **Skin protection**

Wear gloves for the protection against mechanical hazards according to OSHA and NIOSH rules. Gloves are advised for repeated or prolonged contact. The glove material has to be impermeable and resistant to the product/ the substance/the preparation. Protection may be required for spills.

#### **Additional protective measures**

No additional protective measures are required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Granulate
Color:	White
Odor:	Odorless
Odor Threshold:	Not Available
Upper/Lower Flammability Limits:	Not Available
Vapor Pressure:	Not Available
Vapor Density:	Not Available
pH:	Slightly alkaline
Relative Density:	3.95 @ 68° F (32.963 lbs/gal)
Melting Point:	3,722 ° F (2,050° C)
Freezing Point:	Not Available
Solubility:	Insoluble
Initial Boiling Point/Range:	Not Available
Flash Point:	Not Available
Evaporation Rate:	Not Available
Partition Coefficient: n-octanol/water:	Not Available
Auto-ignition Temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity:	Not Available
Volatile Organic Compounds (VOC):	Not Available

## SECTION 10: STABILITY AND REACTIVITY

### Reactivity

Material is stable and non-reactive under normal conditions of use, storage and transport.

### Chemical Stability

Material is stable under recommended storage conditions.

### Possibility of Hazardous Reactions

Reacts with strong acids. Reacts with oxidizing agents. Reacts with strong alkali.

### Conditions to Avoid

Contact with incompatible materials.

### Incompatible Materials

Strong acids, oxidizing agents, and strong alkali.

### Hazardous Decomposition Products

Toxic metal oxide smoke.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

Likely routes of exposure include inhalation by direct contact and vapor inhalation, eye contact by direct contact, skin contact by direct contact and ingestion by direct contact.

### Health Effects and Symptoms

Acute	None
Chronic	Repeated or long-term inhalation of product dusts may cause pulmonary disease.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Mutagenicity	Not Applicable
Carcinogenicity	Not Applicable

### Product

No data available.

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

Aquatic Toxicity	Generally, not hazardous for water.
Persistence and degradability	Inorganic product; is not eliminable from water by means of biological cleaning processes.

### Behavior in environmental systems

Bioaccumulative potential	Does not accumulate in organisms
Mobility in soil	No further relevant information available.
Other adverse effects	No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste Disposal Method

Contact waste processors for recycling information. The user of this material has the responsibility to dispose of the unused material, residues, and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

### Empty Container Precautions

Smaller quantities can be disposed of with household waste. Can be reused after reprocessing. Disposal must be made according to official regulations.

## SECTION 14: TRANSPORT INFORMATION

### Proper Shipping Name by Regulatory Entity

DOT - Land Transportation	Not Regulated
IMDG - Sea Transportation	Not Regulated
IATA - Air Transport	Not Regulated

## SECTION 15: REGULATORY INFORMATION

### United States Federal Regulations

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

SARA 313	Not listed
CERCLA	Not listed
Clean Water Act (CWA)	Not listed
SARA 311/312	Not listed

### US State Regulations

California Proposition 65	Not listed
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## SECTION 16: OTHER INFORMATION

### HMIS Ratings

Health - 0 Flammability - 0 Physical Hazard - 0 Personal Protection - Not Determined

### **NFPA Ratings**

Health - 0 Flammability - 0 Instability - 0 Special Hazards - Not Determined

### **Issue Date, Revision Date and SDS Version Number**

This information is found at the "Footer" of the Safety Data Sheet (all pages). See below.

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.