



chemical solutions to concrete problems

WHITE ALUMINUM OXIDE Safety Data Sheet

According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS)

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Form	Substance
Trade Name	ALUMINUM OXIDE
Product Code	ALO80B

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use	Industrial. For professional use only.
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1.2.2 Uses Advised Against

No additional information available

1.3 Details of the supplier of the safety data sheet

Manufacturer	Supplier
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NOX-CRETE, INC
1444 SOUTH 20TH STREET
OMAHA, NE 68108
Tel: 402-341-2080
Fax: 402-341-9752
E-Mail: corporate@nox-crete.com
Web Site: www.nox-crete.com

1.4 Emergency telephone number

Emergency Number	Chemtrec (800) 424-9300 Chemtrec Outside of U.S. 703-527-3887
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Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulations 29CFR 1910.1200 , (EC) No. 1272/2008(CLP)(GHS)

Not Classified

Adverse physiochemical, human health and environmental effects

No additional information available

2.2 Label elements

Hazard pictograms
Signal word
Hazard statements
Precautionary statements
Response:

2.3 Other hazards	None known
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Section 3. Composition / information on ingredients

3.1 Substances

Classification according to Regulations 29CFR 1910.1200 , (EC) No. 1272/2008(CLP)(GHS)

This product contains no hazardous ingredients when evaluated by criteria established in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 4. First aid measures

4.1 Description of first aid measures

First-aid measures general

No special measures required

First-aid measures after inhalation

Supply fresh air: consult doctor in case of complaints. Provide oxygen if affected person has difficulty breathing

First-aid measures after skin contact

Brush off loose particles from skin. Wash off immediately with soap and plenty of water. If skin irritation persists, seek medical attention.

First-aid measure after eye contact

When contact lenses are worn, remove if possible. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes while holding eyelids apart. Get medical attention if symptoms persist.

First-aid measures after ingestion

Rinse mouth. DO NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, acute and delayed

Symptoms/injuries after inhalation

May cause irritation to the respiratory tract.

Symptoms/injuries after skin contact

May cause skin irritation or burning sensation

Symptoms/injuries after eye contact

May cause eye irritation or injury

Symptoms/injuries after ingestion

Nausea, may cause severe irritation to the mucous membrane of the mouth, throat, esophagus and stomach

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

Section 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing media

5.2 Special hazards arising from the substance or mixture

Reactivity

Thermal decomposition products may cause a health hazard.

5.3 Advice for firefighters

Firefighting instructions

Protective equipment for firefighters

Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear when fighting any chemical fire.

Other information

On heating or burning harmful gasses/vapors may be released.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures

Use respiratory protective device against the effects of fumes, dust, aerosol. Ensure adequate ventilation Avoid formation of dust.

6.11 Protective Equipment

Equip cleanup crew with proper protective equipment.

6.2 Environmental precautions

Prevent entry to sewers and public waters.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

Pick up mechanically.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures

Prevent formation of dust

Hygiene measures

Wash contaminated clothing before reuse.



According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS)

7.2 Conditions for safe storage, including any incompatibilities**Storage conditions**

Store in accordance with local regulations. Store in original container in a cool well ventilated place. Keep containers tightly closed until ready for use. Protect from humidity and water.

Incompatible materials

None known

Storage temperature**Section 8. Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limits**

TLV (USA) Long-term value: 1* mg/m³ as Al; *as respirable fraction

8.2 Exposure controls**Appropriate engineering controls**

Use with adequate ventilation to keep product vapor concentrations below specified TLV

Eye and face protection

Avoid contact with the eyes

Skin protection

Wear gloves for the protection against mechanical hazards

Respiratory protection

For spills, respiratory protection may be advisable. Use respiratory protection when grinding or cutting mater

Section 9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance	Crystalline powder
Odor	White
Odor Threshold	No data available
PH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	No data available
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Upper/lower explosive limits	No data available
Vapor pressure	No data available
Vapor density at 20 C	3.98 g/cm ³
Relative density (Specific gravity)	No data available
Solubility	Water: Insoluable
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	Not applicable
Viscosity	No data available
VOC content	No data available

Section 10. Stability and reactivity**10.1 Reactivity**

No additional information available

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Moisture

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Toxic metal oxide smoke

Section 11. Toxicology information**11.1 Information on toxicological effects**



According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS)

Acute toxicity	No adverse effects expected under intended use.
Irritation/Corrosion	May cause skin irritation
Skin	May cause serious eye irritation and damage.
Eyes	May cause respiratory irritation
Respiration or skin sensitization	No data available
Germ cell mutagenicity	No component of this product present at levels greater than 0.1 % is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC)
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity	
Single exposure	No data available
Repeated exposure	No data available
Aspiration hazard	No data available

Section 12. Ecological information

12.1 Ecotoxicity	No data available
12.2 Persistence and degradability	No data available.
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Other adverse effects	Avoid release to the environment

SECTION 13. Disposal Considerations

13.1 Waste treatment methods	The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all applicable local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
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SECTION 14. Transport information

In accordance with US DOT	Not dangerous goods in sense of transport regulations.
In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA	
14.1 UN number	Not dangerous goods in sense of transport regulations.
14.2 UN proper shipping name	
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	No additional information available
14.6 Special precautions for user	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No additional information available
14.8 Transport in bulk according to CFR 49 173.15	Not applicable

SECTION 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.2 USA Regulations	
Section 313	Contains no ingredients at or above the De Minimus reporting level
TSCA	All ingredients are listed or exempted



According to Regulation 29 CFR 1910.1200, Regulation (EC) No. 1272/2008 (CLP)(GHS)

Proposition 65

WARNING: This product can expose you to chemicals including Titanium Dioxide, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov."

15.1.3 Canada Regulations

This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

All ingredients are listed or exempted

DSL**WHMIS****15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

Section 16. Other information

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Preparer	Nox-Crete, Inc.
<u>Reference Documentation</u>	

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