

**ALOXGLASS TM**

ACCORDING TO US CFR 1910.1200

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**

Product Name ALOXGLASS TM

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

Identified Use(s) Impact abrasive.

Uses Advised Against Not known.

**1.3 Details of the supplier of the safety data sheet**

Company Identification Potters Industries LLC

Address of Supplier P. O. Box 841  
Valley Forge, PA  
USA

Zip code 19482

Telephone 800-552-3237

E-mail sds@pottersindustries.com

**1.4 Emergency telephone number**

Emergency Phone No. 800-552-3237/ 800-424-9300 (USA)

Contact Company/ChemTrec

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

US CFR 1910.1200 Not classified as dangerous for supply/use.

**2.2 Label elements**

According to US CFR 1910.1200

Product Name ALOXGLASS TM

Hazard Pictogram(s) None.

Signal Word(s) None.

Hazard Statement(s) None.

Precautionary Statement(s) None.

**2.3 Other hazards**

Dust may have irritant effect on skin, eyes and air passages.

**2.4 Additional Information**

None.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable.

**3.2 Mixtures**

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Glass, oxide, chemicals	65997-17-3	70 - 90	Not classified	None
Aluminum oxide	1344-28-1	10 - 30	Not classified	None

For full text of H/P Statements see section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

Inhalation If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact Wash skin with water.

Eye Contact Flush eyes with water for at least 15 minutes.

Ingestion Do not induce vomiting. Get immediate medical advice/attention.

**4.2 Most important symptoms and effects, both acute and delayed**

Dust may cause irritation. Dust may cause discomfort and mild irritation.

**4.3 Indication of any immediate medical attention and special treatment needed**

Unlikely to be required but if necessary treat symptomatically.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1 Extinguishing Media**

Suitable Extinguishing Media As appropriate for surrounding fire.

Unsuitable Extinguishing Media None.

**5.2 Special hazards arising from the substance or mixture**

Non-combustible. Excessive heating (&gt;500°C) may cause melting or fusion of the substance.

**ALOXGLASS TM****5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing. Wear eye/face protection.

**6.2 Environmental precautions**

Do not release large quantities into the surface water or into drains.

**6.3 Methods and material for containment and cleaning up**

Caution - spillages may be slippery. Sweep spilled substances into containers if appropriate moisten first to prevent dusting. Use vacuum equipment for collecting spilt materials, where practicable.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Caution - spillages may be slippery. General hygiene measures for the handling of chemicals are applicable. Avoid generation of dust. Wash hands and exposed skin after use. Do not eat, drink or smoke at the work place.

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

Keep container tightly closed and dry.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

Acids.

**7.3 Specific end use(s)**

Impact abrasive.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters****8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTCL (8 hr TWA ppm)	LTCL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Aluminium, metal and insoluble compounds	1344-28-1		1			ACGIH TLV, R, A4
alpha-Aluminum (Total dust)	1344-28-1		10			OSHA PEL
alpha-Aluminum (Respirable fraction)	1344-28-1		5			OSHA PEL
Aluminum, metal and insoluble compounds (as Al) (Total dust)	1344-28-1		10			NIOSH REL Z-1
Aluminum, metal and insoluble compounds (as Al) (Respirable fraction)	1344-28-1		5			NIOSH REL Z-1
Aluminum oxide (Total dust)	1344-28-1		15			OSHA PEL Z-1
Aluminum oxide (Respirable fraction )	1344-28-1		5			OSHA PEL Z-1
Aluminum, metal and insoluble compounds (as Al) (Total dust)	1344-28-1		15			OSHA PEL Z-1
Aluminum, metal and insoluble compounds (as Al) (Respirable fraction)	1344-28-1		5			OSHA PEL Z-1
Inhalable particles			10			ACGIH TLV
Respirable particles			3			ACGIH TLV
Particulates not otherwise classified/regulated (PNOR, PNO) (Total dust)			15			OSHA PEL Z-1
Particulates not otherwise classified/regulated (PNOR, PNO) (Respirable fraction)			5			OSHA PEL Z-1
Particulates Not Otherwise Regulated (PNOR), Total dust			10			OSHA PEL
Particulates Not Otherwise Regulated (PNOR), Respirable fraction			5			OSHA PEL

Remark

Notes

ACGIH TLV

The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2022

R

Measured as respirable fraction of the aerosol.

A4

Not Classifiable as a Human Carcinogen

OSHA PEL

Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs), 2019

NIOSH REL Z-1

National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week, 2022

OSHA PEL Z-1

Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table, 2022

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**8.2 Exposure controls**

8.2.1. Appropriate engineering controls      Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

8.2.2. Personal protection equipment



Eye Protection      Handling of larger amounts: Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection      Wear suitable gloves if prolonged skin contact is likely.  
Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection      Wear suitable respiratory protective equipment if exposure to high levels of material are likely.



Thermal hazards      Not applicable.

8.2.3. Environmental Exposure Controls      Do not release large quantities into the surface water or into drains.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

Appearance	Powder. Color: White.
Odor	Odorless.
Odor Threshold	Not known.
pH	Not known.
Melting Point/Freezing Point	730°C /1346°F
Initial boiling point and boiling range	Not known.
Flash Point	Not applicable.
Evaporation Rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	Not applicable.
Vapor pressure	Not known.
Vapor density	Not applicable.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water): Insoluble. Solubility (Other): Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not applicable.
Decomposition Temperature (°C)	Not known.
Viscosity	Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

Stable under normal conditions.

**10.2 Chemical Stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

No hazardous reactions known if used for its intended purpose.

**10.4 Conditions to avoid**

None anticipated.

**ALOXGLASS TM****10.5 Incompatible materials**

Acids.

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

Acute toxicity - Ingestion	Calculation method : Not classified. Low oral toxicity. By analogy with similar materials: LD50 (oral,rat) mg/kg: 5000
Acute toxicity - Skin Contact	Calculation method : Not classified. Low acute toxicity.
Acute toxicity - Inhalation	Calculation method : Not classified. Low acute toxicity. Dust: Irritant effect on air passages.
Skin corrosion/irritation	Calculation method : Not classified. Dust may cause irritation.
Serious eye damage/irritation	Calculation method : Not classified. Dust may cause irritation.
Skin sensitization data	Calculation method : Not classified. It is not a skin sensitizer.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified. There is no evidence of mutagenic potential.
Carcinogenicity	Calculation method : Not classified. No evidence of carcinogenicity.
Reproductive toxicity	Calculation method : Not classified. No evidence of reproductive effects.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified. None anticipated.
STOT - repeated exposure	Calculation method : Not classified. None anticipated.
Aspiration hazard	Calculation method : Not classified.

**11.2 Other information**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

**12.2 Persistence and degradability**

The methods for determining the biological degradability are not applicable to inorganic substances.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

Insoluble in water. The product is predicted to have low mobility in soil.

**12.5 Other adverse effects**

Not known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**Product as supplied: The waste is considered to be non hazardous.  
Dispose at suitable refuse site.**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**ALOXGLASS TM****SECTION 14: TRANSPORT INFORMATION**

Not classified as hazardous for transport.

<b>14.1 UN number</b>	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packing group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Not classified as a Marine Pollutant.
<b>14.6 Special precautions for user</b>	Not known
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not known

**SECTION 15: REGULATORY INFORMATION****15.1 US Federal Regulations**

Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Listed : 1344-28-1
National emission standards for hazardous air pollutants (40 CFR 61.01)	Not listed
SARA Title III Section 313	Listed : 1344-28-1
TSCA (Toxic Substance Control Act)	Listed : 65997-17-3 (Active), 1344-28-1 (Active)
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

**15.2 US State Regulations**

State Right to Know Lists	This product can expose you to chemicals including arsenic and lead, which are known to the State of California to cause cancer and lead, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="https://www.P65Warnings.ca.gov">https://www.P65Warnings.ca.gov</a> .
Proposition 65 (California)	
Minnesota	Listed : 1344-28-1
New Jersey	Listed : 1344-28-1
Pennsylvania	Listed : 1344-28-1
Rhode Island	Listed : 1344-28-1

**15.3 Other**

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Not listed
NTP (National Toxicology Program)	Not listed
IARC (International Agency for Research on Cancer)	Not listed

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements: 8

**LEGEND**

Hazard Pictogram(s)	None.
Precautionary Statement(s)	None.
Acronyms	ATE : Acute Toxicity Estimate CAS : Chemical Abstracts Service LTEL : Long term exposure limit STEL : Short term exposure limit STOT : Specific Target Organ Toxicity
Key literature references and sources for data used to compile the SDS	US CFR 1910.1200

**ALOXGLASS TM**

## Disclaimers

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