



CASWELL INC

Safety Data Sheet Aluminum Oxide

SECTION 1: Identification

1.1 Product identifier

Product name	Aluminum Oxide
Product number	ALOX
Brand	Caswell

1.3 Recommended use of the chemical and restrictions on use

Blasting and Cleaning

1.4 Supplier's details

Name	Caswell Inc
Address	7696 Route 31 Lyons NY 14489 USA
Telephone	315 946 1213
Fax	315 946 4456
email	sales@caswellplating.com

1.5 Emergency phone number(s)

Office Hours (9-4ET): 315 946 1213
24 Hour: CHEMTEL US# 1-800-255-3924 Intl# +01-813-248-0585

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

Safety Data Sheet

Aluminum Oxide

SECTION 3: Composition/information on ingredients

3.1 Substances

Hazardous components

1. Aluminum oxide (Powder or Fiber)

Concentration	Not specified
CAS no.	1344-28-1

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Skin Protection: None required with normal household use. Industrial Setting: Protective gloves (for hands) and protective clothing are required where repeated or prolonged skin contact may occur.
In case of eye contact	Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Use appropriate eye protection.
If swallowed	Drink water and induce vomiting.
Personal protective equipment for first-aid responders	None required

4.2 Most important symptoms/effects, acute and delayed

Product is not hazardous. No negative effects from exposure should be expected.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Any available

5.2 Specific hazards arising from the chemical

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Product is not hazardous. Clean up using available means.

6.2 Environmental precautions

None

6.3 Methods and materials for containment and cleaning up

Any

Safety Data Sheet

Aluminum Oxide

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. alpha-Alumina (CAS: 1344-28-1)

PEL (Inhalation): see PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Appendix D (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

2. alpha-Alumina, Total dust (CAS: 1344-28-1)

PEL (Inhalation): 15 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

3. alpha-Alumina, Respirable fraction (CAS: 1344-28-1)

PEL (Inhalation): 5 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation. For personal protection see section 8.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Brown Gritlike Powder
Odor	None
Odor threshold	Not Established
pH	9.4-10.1

Safety Data Sheet

Aluminum Oxide

Melting point/freezing point	2000 deg C
Initial boiling point and boiling range	2980 deg C
Flash point	Not Flammable
Evaporation rate	Not Established
Flammability (solid, gas)	None
Upper/lower flammability limits	Not Established
Vapor pressure	1hPA at 2158 deg C
Vapor density	Not Established
Relative density	4 g/cm ³
Solubility(ies)	Insoluble
Partition coefficient: n-octanol/water	Not Established
Auto-ignition temperature	n/a
Decomposition temperature	
Viscosity	
Explosive properties	
Oxidizing properties	

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

None Known

10.4 Conditions to avoid

None Known

10.5 Incompatible materials

None Known

10.6 Hazardous decomposition products

None Known

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Not Established

Skin corrosion/irritation

Not Established

Serious eye damage/irritation

Not Established

Respiratory or skin sensitization

Not Established

Germ cell mutagenicity

Safety Data Sheet

Aluminum Oxide

Not Established

Carcinogenicity

Not Established

Reproductive toxicity

Not Established

STOT-single exposure

Not Established

STOT-repeated exposure

Not Established

Aspiration hazard

Not Established

SECTION 12: Ecological information

Toxicity

Not Established

SECTION 13: Disposal considerations

Disposal of the product

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

Disposal of contaminated packaging

Consult appropriate federal and local regulations for disposal. Empty containers are subject to the same regulations.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Chemical name: Aluminum oxide (fibrous forms)

CAS number: 1344-28-1

New Jersey Right To Know Components

Common name: ALUMINUM OXIDE

CAS number: 1344-28-1

Pennsylvania Right To Know Components

Chemical name: Aluminum oxide

Safety Data Sheet

Aluminum Oxide

CAS number: 1344-28-1

HMIS Rating

Aluminum Oxide	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Caswell Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Caswell Inc has been advised of the possibility of such damages.