



Safety Data Sheet

Aluminum Oxide, Dermabrasion Crystals

Complies with 29 CFR 1910.1200

Section 1: Company and Product Identification

Product Name: Aluminum Oxide, Dermabrasion Crystals

INCI Name: Alumina

Material Uses: Active ingredient in cosmetic and personal care applications.

Restrictions on Use: Repackaged for cosmetic use only

Company: Lotioncrafter LLC
 48 Hope Ln
 Eastsound, WA 98245
 PH: 1-360-376-8008

Emergency Response: In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands	CALL +1 800-424-9300
In case of difficulties or for ships at sea	CALL +1 703-527-3887
In Europe, Middle East, Africa, Asia Pacific, South America	CALL +1 703-527-3887

Section 2: Hazards Identification

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Hazard Pictograms:

Signal Word: Not Applicable

Hazard Classification: This substance does not meet the criteria for a dangerous or hazardous substance.

Hazard Category: Non-classified

Hazard Statements: Not Applicable

Precautionary Statements: Not Applicable

Other Hazards: None

Section 3: Composition / Information on Ingredients

Name	Hazard Category	CAS#	Weight %
Alumina	Not classified	1344-28-1	≥ 98.0
Impurities: SiO ₂ +Fe ₂ O ₃ +Na ₂ O+CaO+MgO+TiO ₂	Not classified	N/A	≤ 2.0

Additional Information: For full text of H-statements and R-phrases: see SECTION 16



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Section 4: First Aid Measures

Notable Exposure Symptoms: Irritation of eyes and mucous membranes. Irritation of nose and throat. Treat symptomatically. Get medical attention if any discomfort persists.

If ingested: Immediately rinse mouth and drink plenty of water. Get medical attention if irritation develops and persists.

If inhaled: Move to fresh air. Get medical attention if any discomfort continues.

Eye contact: Flush eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation develops or persists.

Skin contact: Wash with soap and water. Get medical attention if irritation develops or persists.

Section 5: Fire Fighting Measures

General Info: Flash point: Not applicable. This product is not flammable.

Extinguishing Method /

Equipment: Carbon dioxide (CO₂), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

Hazardous Decomposition Info: None known

Section 6: Accidental Release Measures

Personal precautions, protective

equipment and procedures: Ensure adequate ventilation. Avoid inhalation of dust and contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental Precautions: Non-hazardous, but avoid direct releases to the environment.

Containment Equipment and

Cleanup Procedures: Recover and recycle, if practical. Sweep up or vacuum up spillage and collect in suitable container for disposal. Do not vacuum clean unless vacuum cleaners are equipped with a HEPA filter.

Section 7: Handling and Storage

Safe Handling Precautions: Provide adequate ventilation. Use work methods which minimize dust production. Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Do not add wet alumina to electrolysis cells. Observe good industrial and hygiene practices.

Recommendations for Storage: Store in a cool, dry place.

Specific End Use(s): Active ingredient in cosmetic and personal care applications.



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Section 8: Exposure Control / Personal Protection

Control Parameters: OSHA Occupational exposure limits: Aluminum Oxide - PEL 5 mg/m³
Respirable fraction. 15 mg/m³ Total dust.

US. ACGIH Threshold Limit Values: Aluminum Oxide - TWA 1 mg/m³
Respirable fraction.

General / Engineering

Controls: Provide sufficient ventilation for operations causing dust formation. If engineering measures are insufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OWEL), suitable respiratory protection must be worn.

Eye/face protection: Chemical goggles with side splash protection recommended. An eye wash facility should be available in the work area.

Hand Protection: Protective gloves

Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter.

Thermal Hazards: Wear appropriate thermal protective clothing, when necessary.

Other: Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

Section 9: Physical and Chemical Properties

Physical State: Solid

Appearance: Powder

Color: White

Odor: Odorless

Odor Threshold: No data available

pH: Not applicable

Melting Point/Freezing Point: 3704°F (2040°C)

Boiling Point: Not applicable

Flash Point (COC): Not applicable

Auto-ignition Temperature: Not applicable

Decomposition Temperature: No data available

Evaporation Rate: Not applicable

Vapor Pressure: Not applicable

Explosive Limits: Not data available

Vapor Density: Not applicable

Relative Density: 3.97 at 20°C

Solubility: Insoluble

Viscosity (cP): Not applicable

Explosion Properties: Not explosive

Oxidizing Properties: Not oxidizing

Partition coefficient: No data available

Other information: None available



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Section 10: Stability and Reactivity

Reactivity: This product is stable under normal conditions of storage and transport.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous

Reactions: Hazardous polymerization does not occur. Hazardous reactions do not occur.

Conditions to Avoid: Moisture

Incompatible Materials: None known.

Hazardous Decomposition

Products: No hazardous decomposition products are known.

Section 11: Toxicological Information

Acute Toxicity: Oral LD50 is anticipated to be >5g/kg based on testing of similar materials.

Irritation: May cause irritation through mechanical abrasion.

Corrosivity: No data available.

Sensitization: Not a skin sensitizer.

Repeated Dose Toxicity: Test data conclusive but insufficient for classification.

Carcinogenicity: Test data conclusive but insufficient for classification.

Mutagenicity: Test data conclusive but insufficient for classification.

Reproductive Toxicity: Test data conclusive but insufficient for classification.

Section 12: Ecological Information

Toxicity: No ecotoxicity data available.

Aquatic Toxicity: Algae EC50 - Green algae (*Selenastrum capricornutum*): > 100 mg/l 72 hours

Crustacea EC50 - *Daphnia magna*: > 100 mg/l, 48 hours

Fish LC 50 - *Salmo trutta*: > 100 mg/l, 96 hours

Persistence and Degradability: This product is not biodegradable.

Bioaccumulative Potential: This product is not bioaccumulative.

Mobility in Soil: Aluminum oxide is not mobile in the environment, unless it comes into contact with an aqueous environment with a pH below 5.5 or above 8.5.

Results of PBT and vPvB

Assessment: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other Adverse Effects: None known



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Section 13: Disposal Information

Product disposal: Dispose of product in accordance with local, regional, and national regulations.

Container disposal: Dispose of container in accordance with licensed collector's sorting instructions.

Other considerations: No further information.

Section 14: Transport Information

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN Number:	Not regulated	Not regulated	Not regulated	Not regulated
UN Proper Shipping Name:	Not regulated	Not regulated	Not regulated	Not regulated
Transport Hazard Class(es):	Not applicable	Not applicable	Not applicable	Not applicable
Packing Group:	Not applicable	Not applicable	Not applicable	Not applicable
Environmental Hazards:	Not applicable	Not applicable	Not applicable	Not applicable
Special Precautions for User:	None	None	None	None
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable	Not applicable	Not applicable	Not applicable

Section 15: Regulatory Information

US Federal Regulations: This product is not known to be a "Hazardous Chemical" as defined by OSHA, 29 CFR 1910.1200. All components are on the US EPA TSCA Inventory List.

TSCA Section 12(b): Not regulated

OSHA Specifically Regulated

Substances: Not regulated

CERCLA - 40 CFR 302.4: Not listed

SARA 1986: Not classified

SARA 302: Not listed

SARA 311/312: Yes

SARA 313: Aluminum oxide, CAS No 1344-28-1, % by wt. ≥ 98

Clean Air Act Section 112: Not regulated

Clean Air Act Section 112(r): Not regulated

Safe Drinking Water Act: Not regulated

US Massachusetts RtK: Aluminum oxide, CAS No 1344-28-1

US Pennsylvania RtK: Aluminum oxide, CAS No 1344-28-1

US Rhode Island RtK: Aluminum oxide, CAS No 1344-28-1

California Proposition 65: This product contains trace impurities of titanium dioxide (TiO₂), which is known to the State of California to cause cancer, birth defects or other reproductive harm.



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Section 16: Other Information

Indication of Changes: Version 1.1 created March 29, 2024

List of Relevant R-phrases

(number and full text): Not applicable

Legal Disclaimer: Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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