

## MATERIAL SAFETY DATA SHEET

### SECTION I: PRODUCT INFORMATION

**Product Name:** Aluminum Oxide - Dermabrasion Crystals  
**INCI:** Alumina

**CAS Number:** 1333-84-2      **HS#:** 2510.20.0000

**Hazard Rating:** Non Hazardous

### SECTION II: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Crystalline white powder
<b>Odor</b>	Characteristic
<b>Soluble in water</b>	Insoluble
<b>Boiling Point:</b>	2038°C / 3700°F
<b>Auto Igniting:</b>	Not applicable
<b>Danger of Explosion:</b>	Product does not present an explosion hazard
<b>Mineral content (Ash)</b>	2-3%
<b>pH (10% sol'n):</b>	9.4 – 10.1
<b>Density:</b>	0.62-0.83 g/cm <sup>3</sup> , 0.022-0.030 lb/in <sup>3</sup>

### SECTION III: STABILITY AND REACTIVITY

**Thermal decomposition/conditions to be avoided:** None  
**Dangerous reactions:** Heating may occur when water is added.  
**Hazardous polymerization:** Will not occur  
**Additional information:** Non-corrosive

### SECTION IV: HEALTH HAZARD ASSESSMENT

**PRIMARY IRRITANT EFFECT:**

**EYE CONTACT:** Can cause mild irritation.

**SKIN CONTACT:** Can cause mild irritation.

**INHALATION:** Can cause mild upper respiratory tract irritation.

**INGESTION:** Can cause mild irritation

**Chemical ingredient and possible processing hazards:** Alumina is a low health risk by inhalation and should be treated as a nuisance dust as specified by the ACGIH.

**Medical conditions aggravated by exposure to the product:** Asthma, chronic lung disease, and skin rashes.

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### SECTION V: FIRST AID MEASURES

**INHALATION:** Remove to fresh air, check for clear airway, breathing, and presence of pulse. Provide cardiopulmonary resuscitation for persons without pulse or respirations. Consult a physician.

**SKIN:** Wash with soap and water.

**EYE:** Immediately flush eyes with plenty of water for at least 15 minutes. Consult a physician.

**INGESTION:** Do not induce vomiting. Never give anything by mouth to a convulsing or unconscious person. If swallowed, dilute by drinking large amounts of water. Consult a physician.

### SECTION VI: FIRE FIGHTING MEASURES

**Protection of Fire Fighters** : Self-contained breathing apparatus, full protective clothing.

**Extinguishing Media** : Determined by surrounding fire.

### SECTION VII: EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Personal Protective measures:** General protective and hygienic measures. Do not inhale dust. Avoid contact with the eyes.

**Breathing Equipment:** Use suitable respiratory protective device in case of insufficient ventilation.

**Short term filter device:** Filter Mask NIOSH N95

**Protection of hands:** Impervious gloves

**Eye Protection:** Wear safety glasses suitable for keeping dust out of the eyes.

### SECTION VIII HANDLING AND STORAGE

**Handling** Open, handle and use under well ventilated conditions.

**Storage** Store in the original closed containers. Keep container tightly closed to keep dry. Store in a cool, dry place.

### SECTION IX: ECOLOGICAL INFORMATION

**GENERAL NOTES:** Generally not hazardous for water.

### SECTION X: DISPOSAL CONSIDERATIONS

**RECOMMENDATION:** Collect in containers, bags or covered dumpster boxes. If reuse or recycling is not possible, material may be disposed of at an industrial landfill. Uncleaned packaging materials may be disposed of according to official regulations for those packaging materials.

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SECTION XI:	TRANSPORTATION INFORMATION
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NOT REGULATED. NON HAZARDOUS

SECTION X:	REGULATIONS
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U.S. Federal Regulations:

TSCA STATUS:

All components of this product are listed on the TSCA inventory.

\*For TSCA inventory reporting purposes, CAS No. 1344-28-1 was assigned for all forms of aluminum oxide instead of the CAS No. 1333-84-2 as indicated in Section 2.

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None.

Section 311/312 Hazardous Categories: Immediate (acute)

Section 313 Toxic Categories: None.

OTHER INFORMATION:

In reference to Title VI of the Clean Air Act of 1990, this material does not contain nor was it manufactured using ozone-depleting chemicals.

Markings according to EU guidelines:

Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefstoffV).

National regulations

Water hazard class: Generally not hazardous for water.

International Regulations:

CANADIAN DOMESTIC SUBSTANCES LIST:

All components of this product are listed on the Canadian DSL.

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTMICES

All components of this product are listed on the AICS.

Japan - Existing and New Chemical Substances (ENCS) All components of this product are listed, on ENCS.

### Disclaimer:

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