

**SECTION 1: Identification****Product Identifier:**

**Name:** Aluminum Oxide (White)  
**Product Number(s):** PD1003, PD1029 (plush dash nos. of each)  
**CAS No:** 1344-28-1  
**Index No:** None  
**EC No:** 215-691-6  
**REACH Registration No:** None  
**Formula:** Al<sub>2</sub>O<sub>3</sub>  
**Synonyms:** C Powder, S Powder, AlOx

**Intended use of the product and uses advised against:**

**Recommended use:** Blasting abrasive

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

Comco Inc.  
 2151 N. Lincoln St.  
 Burbank, CA 91504  
 1-818-841-5500  
[info@comcoinc.com](mailto:info@comcoinc.com)

**Emergency telephone number:**

1-818-841-5500

**SECTION 2: Hazard(s) Identification****Classification of the substance or mixture****Regulation (EC) No. 1272/2008 (CLP)**

Hazard category	Hazard statement
Skin Irrit. 3, Eye Irrit. 2B, STOTE SE 3	H316; H320; H335

**Directive 67/548/EEC or Directive 1999/45/EC**

Hazard characteristics	R-Phrases
Xi	R36/37/38

*For full text of R-phrases, see section 16.*

**Label elements****Hazard pictograms:****Signal word:**

**WARNING**

**Hazard statements:**

H316: Causes mild skin irritation.  
 H320: Causes eye irritation.  
 H335: May cause respiratory irritation.

**Precautionary statements:**

P332 + P313: If skin irritation occurs: Get medical advice/attention.  
 P261: Avoid breathing dust.  
 P264: Wash hands thoroughly after handling.  
 P271: Use only outdoors or in a well-ventilated area.  
 P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313: If eye irritation persists: Get medical advice/attention.  
 P403 + P233: Store in a well-ventilated place. Keep container tightly closed.  
 P405: Store locked up.  
 P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards:**

Not Available

**SECTION 3: Composition/Information on Ingredients**

**Substance/Mixture:** Substance

Name:	CAS#	EC#	%W/W	REACH #	GHS Classification
Aluminum Oxide	1344-28-1	215-691-6	> 99	N.A.	Skin Irrit. 3, H316; Eye Irrit.. 2B, H320; STOT SE 3, H335
Impurities (Oxides)	N.A.	N.A.	< 1	N.A.	None

**SECTION 4: First-Aid Measures****Description of first aid measures**

**General information:** None



**After inhalation:** Remove to fresh air. If symptoms persist, seek medical attention.  
**After skin contact:** Remove contaminated clothing from area and wash affected skin thoroughly with water. If irritation persists or rash develops, seek medical attention.  
**After eye contact:** Immediately flush eyes with water. Seek medical attention if irritation persists.  
**After swallowing:** Do not induce vomiting. If large quantities are swallowed, call physician immediately.  
**Most important symptoms and effects, both acute and delayed**  
**Acute:** Irritation and redness of eyes. Coughing and shortness of breath.  
**Delayed:** Skin, eye, or respiratory tract irritation.  
**Indication of any immediate medical attention and special treatment:**  
Treat symptomatically.

**SECTION 5: Fire-Fighting Measures****Extinguishing media**

**Suitable extinguishing media:** Extinguisher suitable for ordinary combustible materials. Class A extinguishing agents.

**Unsuitable extinguishing media:** None known.

**Special hazards arising from the substance or mixture:** None known.

**Advice for firefighters:** A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Extinguish preferably with dry chemical, foam, or water spray.

**SECTION 6: Accidental Release Measures****Personal precautions, protective equipment and emergency procedures**

**For non-emergency personnel:** Wear suitable protective clothing. Avoid dust generation.

**For emergency responders:** Wear suitable protective clothing. Avoid dust generation.

**Environmental precautions:** Ventilation recommended.

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

Sweep or preferably vacuum up and collect in suitable containers for recovery or disposal.

**Reference to other sections:** See also sections 7, 8, and 13.

**Additional information:** None

**SECTION 7: Handling and Storage****Precautions for safe handling**

**Protective measures:** Avoid accumulation of dust. Use only in well-ventilated areas.

**Hygiene measures:** Do not eat drink or smoke when using this product. Wash hands thoroughly after handling. Remove contaminated clothing and protective gear before entering eating areas.

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

Store in a cool, dry, well-ventilated area. Keep away from sources of ignition. Keep container tightly closed. Segregate from incompatible materials.

**Specific end uses:** Not Available

**SECTION 8: Exposure Controls/Personal Protection****Control parameters****Occupational exposure limits**

Substance	CAS #	Exposure Limit	Note:
Aluminum Oxide	1344-28-1	15 mg/m <sup>3</sup> LTEL	OSHA
		10 mg/m <sup>3</sup> TLV	ACGIH

**Biological limit values:** Not Available

**DNEL/PNEC-values:** Not Available

**Exposure controls**

**Appropriate engineering controls:** Adequate dust ventilation required.

**Personal protective equipment**

**Hand protection:** Gloves if desired

**Eye protection:** Goggles if desired.

**Body protection:** Clean clothing to cover skin.

**Respiratory protection:** Approved NIOSH dust mask if recommended exposure levels are exceeded.

**Environmental exposure controls:** None

**SECTION 9: Physical and Chemical Properties****Information on basic physical and chemical properties**

**Appearance:** Granular powder  
**Color:** White  
**Odor:** Odorless  
**Odor threshold:** None  
**pH:** Not Applicable

<b>Melting point/range:</b>	2072 °C
<b>Boiling point/range:</b>	2977 °C
<b>Flash point:</b>	Incombustible
<b>Evaporation rate:</b>	Not Applicable
<b>Flammability (solid, gas):</b>	Not Available
<b>Upper/lower flammability/explosive limits:</b>	Not Available
<b>Auto-ignition temperature:</b>	Not Available
<b>Decomposition temperature:</b>	2700 °C (4892 °F)
<b>Vapor pressure:</b>	Not Applicable
<b>Vapor density:</b>	Not Applicable
<b>Relative density:</b>	3.9 g/cm <sup>3</sup>
<b>Solubility:</b>	Insoluble
<b>Viscosity, dynamic (20 °C):</b>	Not Available
<b>Viscosity, kinematic:</b>	Not Available
<b>Explosive properties:</b>	Not Available
<b>Oxidizing properties:</b>	Not Available
<b>Partition coefficient: n-Octanol/Water:</b>	Not Applicable

**Physical hazards:** Not Available  
**Other information:** No additional information

#### SECTION 10: Stability and Reactivity

<b>Reactivity:</b>	Slight
<b>Chemical stability:</b>	Stable under normal conditions
<b>Possibility of hazardous reactions:</b>	None under normal use conditions.
<b>Conditions to avoid:</b>	Dust generation without adequate ventilation
<b>Incompatible materials:</b>	Strong acids, chlorine trifluoride, and ethylene oxide.
<b>Hazardous decomposition products:</b>	None

#### SECTION 11: Toxicological Information

<b>Information on toxicological effects</b>	
<b>Acute toxicity:</b>	None
<b>Skin corrosion/irritation:</b>	May cause mechanical skin irritation. Not corrosive.
<b>Serious eye damage/irritation:</b>	May cause mechanical eye irritation.
<b>Respiratory or skin sensitization:</b>	No data
<b>Germ cell mutagenicity:</b>	No data
<b>Carcinogenicity:</b>	Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
<b>Reproductive toxicity:</b>	No data
<b>Specific target organ toxicity (single exposure):</b>	No data
<b>Specific target organ toxicity (repeated exposure):</b>	No data
<b>Aspiration hazard:</b>	No data
<b>Other information:</b>	None

#### SECTION 12: Ecological Information

<b>Toxicity</b>	
<b>Acute toxicity:</b>	None known
<b>Persistence and degradability:</b>	No data
<b>Bioaccumulative potential:</b>	The product has low potential for bioaccumulation
<b>Mobility in soil:</b>	No data
<b>Results of PBT &amp; PvB assessment:</b>	No data
<b>Other adverse effects:</b>	No known significant effects or critical hazards

#### SECTION 13: Disposal Considerations

##### Waste treatment methods

**Recommendations:** If product becomes contaminated, follow disposal instructions for contaminant. Dispose of in accordance to federal, state, and local regulations. Do not allow product to reach sewage system. Recycle packaging if possible.

**Additional information:** None

#### SECTION 14: Transport Information

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO- TI/IATA-DGR)
<b>UN number</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>UN proper shipping name</b>	None	None	None	None
<b>Transport hazard class(es)</b>	None	None	None	None
<b>Hazard label(s)</b>	None	None	None	None
<b>Packing group</b>	None	None	None	None
<b>Environmental hazards</b>	None	None	None	None

**Special precautions for user:** None

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

#### SECTION 15: Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture****US Federal regulations**

- TSCA Chemical Inventory Status: All components of this product are listed.
- CERCLA Reportable Quantity: None.
- SARA Title III:
  - Section 302 Extremely Hazardous Substances: None.
  - Section 304 Emergency Release Reporting: None.
  - Section 311/312 Hazardous Categories: Immediate (acute).
  - Section 313 Toxic Categories: None.
- Clean Air Act of 1990 – Title VI: This material does not contain, nor was it manufactured using ozone depleting chemicals.

**US State regulations**

- California Proposition 65: Not listed.
- Cal-OSHA Workplace Airborne Contaminant: Listed.
- Idaho Air Contaminant: Listed.
- Illinois Toxic Substances Disclosure to Employees List: Listed.
- Massachusetts Right to Know List: Listed.
- Massachusetts Hazardous Substance Code: F9
- Minnesota Hazardous Substance List: Listed. Code: A Carcinogen: No
- New Jersey Right to Know List: Listed – substance No. 2891
- Pennsylvania Right to Know List: Listed.
- Pennsylvania Hazardous Substance List (Chapter 323 Appendix A): Listed Code: E
- Rhode Island Hazardous Substance List: Listed.
- Texas Air Contaminant with Health Effects Screening Level: Listed (as a synonym)
- Washington Air Contaminant: Listed – limit TWA 10 mg/m<sup>3</sup>

**Canadian Regulations:**

- WHMIS Classification: Not a controlled product.
- DSL (Domestic Substance List): All components of this product are listed on the DSL.
- NPRI (National Pollutant Release Inventory): Not subject to mandatory reporting requirements.
- IDL (Ingredient Disclosure List): All components of this product are listed on the IDL.
- Canadian Hazard Symbol: N/A

**EU Regulations (EINECS 215-691-6)**

Indication of Danger: Not dangerous.  
 Risk Phrases: R36/37/38: Irritating to eyes, respiratory system, and skin.  
 Safety Phrases: S24/25/: Avoid contact with skin and eyes.  
 S22: Do not breathe dust.

This product is considered non-dangerous in accordance with 1999/45/EC.

**Chemical Safety Assessment:** No

**SECTION 16: Other Information**

**Date of preparation:** 05/28/2015

**Revision version:** F

**Relevant R-phrases (number and full text):** R36/37/38: Irritating to eyes, respiratory system, and skin.

**NFPA hazard rating:**

**Health hazard:** 1 – Exposure could cause irritation but only minor residual injury even if no treatment is given.

**Fire hazard:** 0 – Will not burn under typical fire conditions.

**Reactivity:** 0 – Normally stable, even under fire conditions, and is not reactive with water.



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