

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: Al₂O₃
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

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 ³ LTEL	OSHA
		10 mg/m ³ 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

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

Physical hazards: Not Available
Other information: No additional information

SECTION 10: Stability and Reactivity

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

SECTION 11: Toxicological Information

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

SECTION 12: Ecological Information

Toxicity	
Acute toxicity:	None known
Persistence and degradability:	No data
Bioaccumulative potential:	The product has low potential for bioaccumulation
Mobility in soil:	No data
Results of PBT & PvB assessment:	No data
Other adverse effects:	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)
UN number	Not regulated	Not regulated	Not regulated	Not regulated
UN proper shipping name	None	None	None	None
Transport hazard class(es)	None	None	None	None
Hazard label(s)	None	None	None	None
Packing group	None	None	None	None
Environmental hazards	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/m³

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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