

SECTION 1: Identification**Product Identifier:**

Name: Aluminum Oxide (Brown)
Product Number(s): PD1001, PD1009, PD1012, PD1014, PD1034 (plus dash nos. of each)
CAS No: Mixture
Index No: Mixture
EC No: Mixture
REACH Registration No: None
Formula: Al₂O₃
Synonyms: A Powder, J Powder, N Powder, SB Powder, V 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
None	None

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

Hazard characteristics	R-Phrases
Xi	R37/38; R41

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

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

WARNING (Applicable only within the United States)

Hazard statements:

The following hazard statements are applicable only according to OSHA regulations within the United States. These statements are not applicable for the CLP regulation (1272/2008/EC) in the EU.

H351: Suspected of causing cancer.

Precautionary statements:

Applicable only within the United States (USA)

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P308 + P313: IF exposed or concerned: Get medical advice/attention.

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: Mixture

Name:	CAS#	EC#	%W/W	REACH #	GHS Classification
Aluminum Oxide	1344-28-1	215-691-6	>88	N.A.	None
Titanium Oxide	13463-67-7	236-675-5	<6	N.A.	Carc. 2, H351 (IARC)
Iron (III) Oxide	1309-37-1	215-168-2	<5	N.A.	None
Calcium Oxide	1305-78-8	215-138-9	<0.6	N.A.	Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335
Magnesium Oxide	1309-48-4	215-171-9	<0.5	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
Titanium Dioxide	13463-67-7	15 mg/m ³ LTEL	OSHA
		10 mg/m ³ TLV	ACGIH
Iron Oxide	1309-37-1	15 mg/m ³ LTEL	OSHA
		5 mg/m ³ TLV	ACGIH

DNEL/PNEC-values: Not Available

Exposure controls

Appropriate engineering controls: Adequate dust ventilation required.

Personal protective equipment

Hand protection: Gloves if desired.

Eye protection: NIOSH approved goggles recommended.

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: Brown
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:	Crystalline silica and titanium dioxide are suspect or confirmed carcinogens under ACGIH, NTP, IARC and/or the state of California (respirable particles).
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: This product contains the following substance(s) known to the state of California to cause cancer and/or reproductive harm: Silicon Dioxide (silica, crystalline), Titanium Dioxide (respirable).
- 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: R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.Safety Phrases: S22: Do not breathe dust
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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

Chemical Safety Assessment: No**SECTION 16: Other Information****Date of preparation:** 11/16/2016**Revision version:** I**Relevant R-phrases (number and full text):** R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.**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.**Disclaimer:** To the best of our knowledge, the information contained in this SDS is accurate or believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein.