

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Powder
Product name : Etchmaster Aluminum Oxide Powder

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : For Rx Only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer/Importer/Representative/User/Distributor:

Reliance Orthodontic Products, Inc.
1540 W. Thorndale Ave
Itasca, IL 60143 USA
T 630-773-4009, during normal business hours
regulatory@relianceorthodontics.com
www.RelianceOrthodontics.com

FDA Registration:

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012
/ Rules and Regulations
FDA Registration: 1420089

Australian Sponsor:

Emergo Australia, 201 Sussex St.
Darling Park, Tower II, Level 20
Sydney, NSW 2000 Australia
T +61 2 9006 1662

EC Representative:

Emergo Europe
Westervoortsedijk 60
6827 AT Arnhem
The Netherlands
T +31 70 345 8570

Switzerland Representative:

MedEnvoy Global BV
Leidschendam-Voorburg, Zug Branch Office
Gotthardstrasse 28, 6302 Zug, Switzerland
T +41 41 462 01 42

U.K. Person Responsible:

Emergo Consulting (UK) Limited
c/o Cr360 - UL International Compass House, Vision Park Histon
Cambridge CB24 9BZ
England, United Kingdom
T +44(0) 1223 772 671

1.4. Emergency telephone number

Emergency number : CHEMTREC - 24-Hour Hazmat Emergency Communications Center
Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) : No additional information available
Signal word (CLP) : No additional information available
Contains : No additional information available
Hazard statements (CLP) : No additional information available
Precautionary statements (CLP) : No additional information available

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2.3. Other hazards

Inhalation: Choking sensation, respiratory system passageways irritation.
Skin Contact: No evidence of adverse effects expected.
Eye Contact: May cause irritation.
Swallowing: Non-toxic. May cause irritation of the throat and digestive passageways.
Carcinogen: No evidence of carcinogenicity.

Possible effects of overexposure: Individuals with lung disorders should not be exposed to conditions where large airborne quantities of the nuisance dust exist without precautions taken to alleviate the aggravated preexisting medical condition.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Alpha Alumina (Al ₂ O ₃)	CAS Number 1344-28-1	99+%	-

Limits for air contaminants:

Total Dust: TWA Mg/M³: 10(e); PEL Mg/M³: 15.

Respirable Fraction: TWA Mg/M³: 5; PEL Mg/M³: 5.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : No additional information available
First-aid measures after inhalation : No additional information available
First-aid measures after skin contact : No additional information available
First-aid measures after eye contact : No additional information available
First-aid measures after ingestion : No additional information available

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : No additional information available
Symptoms/effects after eye contact : No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : N/A – Non-flammable; does not support combustion. Not an explosion hazard.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : N/A

5.3. Advice for firefighters

Protection during firefighting : N/A

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Use with adequate ventilation to meet exposure limits. When exposure is excessive, NIOSH approved respiratory protection should be used.

6.1.2. For emergency responders

Protective equipment : Avoid dust during cleanup.

6.2. Environmental precautions

Waste may be considered as inert material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Spill, leak and disposal: Avoid dust during cleanup
Other information : No additional information available

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Stable under normal conditions of use, transportation, and storage. Use with adequate ventilation to meet exposure limits. When exposure is excessive, NIOSH approved respiratory protection should be used.
Hygiene measures : Avoid dust during cleanup.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Stable under normal conditions of use, transportation, and storage.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Use with adequate ventilation to meet exposure limits. When exposure is excessive, NIOSH approved respiratory protection should be used.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

No additional information available

8.2.2.1. Eye and face protection

Eye protection:

No additional information available

8.2.2.2. Skin protection

Skin and body protection:

No additional information available

Hand protection:

No additional information available

8.2.2.3. Respiratory protection

Respiratory protection:

Use with adequate ventilation to meet exposure limits. When exposure is excessive, NIOSH approved respiratory protection should be used.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

No additional information available.

Other information:

No additional information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: No additional information available
Colour	: Light brown or white
Appearance	: No additional information available
Odour	: None, odorless
Odour threshold	: N/A
Melting point	: 3700 Degrees F (2038 degrees C)
Freezing point	: N/A
Boiling point	: N/A
Flammability	: N/A
Lower explosion limit	: N/A
Upper explosion limit	: N/A
Flash point	: N/A
Auto-ignition temperature	: N/A
Decomposition temperature	: N/A
pH	: 7-8
pH solution	: N/A
Viscosity, kinematic	: N/A
Solubility	: Insoluble in water and organic solvents
Partition coefficient n-octanol/water (Log Kow)	: N/A
Vapour pressure	: N/A
Vapour pressure at 50°C	: N/A
Density	: N/A
Relative density	: N/A

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Relative vapour density at 20°C	: N/A
Particle size	: N/A
Specific Gravity	: 3.97 gm/cc
Hardness	: 9 Mohs scale; 2100 Knoop Scale

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available.

10.2. Chemical stability

No additional information available.

10.3. Possibility of hazardous reactions

No additional information available.

10.4. Conditions to avoid

No additional information available.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

No additional information available.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: No additional information available
Acute toxicity (dermal)	: No additional information available
Acute toxicity (inhalation)	: No additional information available

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No additional information available
Hazardous to the aquatic environment, short-term (acute)	: No additional information available
Hazardous to the aquatic environment, long-term (chronic)	: No additional information available

12.2. Persistence and degradability

No additional information available

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12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Waste may be considered as inert material
Ecology - waste materials : N/A

SECTION 14: Transport information

Not regulated

14.1. UN number or ID number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not regulated
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated
Proper Shipping Name (ADN) : Not regulated
Proper Shipping Name (RID) : Not regulated

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not regulated

IMDG
Transport hazard class(es) (IMDG) : Not regulated

IATA
Transport hazard class(es) (IATA) : Not regulated

AND
Transport hazard class(es) (ADN) : Not regulated

RID
Transport hazard class(es) (RID) : Not regulated

14.4. Packing group

Packing group (ADR) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated
Packing group (ADN) : Not regulated

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Packing group (RID) : Not regulated

14.5. Environmental hazards

Dangerous for the environment : Waste may be considered as inert material
Marine pollutant : N/A
Other information : N/A

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

No additional information available

REACH Annex XIV (Authorisation List)

No additional information available

REACH Candidate List (SVHC)

No additional information available

PIC Regulation (Prior Informed Consent)

No additional information available

POP Regulation (Persistent Organic Pollutants)

No additional information available

Ozone Regulation (1005/2009)

No additional information available

Explosives Precursors Regulation (2019/1148)

No additional information available

Drug Precursors Regulation (273/2004)

No additional information available

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

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SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
-	Initial release – Reliance format	Initial release	-

Full text of H- and EUH-statements:

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Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.