

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product Code 387

Product Name **CALCINED ALUMINA and POLISHING ALUMINA**

Contains Aluminum oxide, CAS 1344-28-1

Synonyms A-Aluminas, AB-Aluminas, CL-Aluminas, CT-Aluminas, CTC-Aluminas, E-SY 1000, Flux Grade, Fusion Grade, Gilox, HVA, IS-Aluminas, LS-Aluminas, MPC, P-Aluminas, RG-Aluminas, Refractory Grade, SC-Aluminas, Special Grade, WRA, Exception: CTC55 - see Material Safety Data Sheet 1000, Exception: CT3000 SDP - see Material Safety Data Sheet 1259

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

Recommended Use Adsorbents, Filler, Polishing agent, Refractory, Ceramic

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Almatis GmbH
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Almatis Alumina Pvt. Ltd.
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Phone: +91 993 3343379

Almatis Burnside, Inc.
41237 Hwy 22
Burnside, LA 70738
USA
Phone: +1 225 474 1700

For further information, please contact

E-mail address info@almatis.com

1.4. Emergency telephone number

Emergency Telephone Number 3E Global Incident Response Hotline (Almatis access code: 334735)

GB: +44 20 35147487
UK: 0 800 680 0425
US: +01 760 476 3961
US: +01 760 476 3959

2. HAZARDS IDENTIFICATION**2.1. - Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

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

No data available

2.2. Label Elements

Symbol(s)

Not applicable

Signal word

None

Hazard statements

None

EUH210 - Safety data sheet available on request

2.3. Other information

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical name	CAS No.	Weight-%	REACH Reg. No
Aluminum oxide	1344-28-1	>99	01-2119529248-35-0024 01-2119529248-35-0125 01-2119529248-35-0086 01-2119529248-35-0238

4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Skin Contact

Wash skin with soap and water.

Ingestion

Rinse mouth

Inhalation

Remove to fresh air

General Advice

If symptoms persist, call a physician
Show this safety data sheet to the doctor in attendance

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

No information available

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

Notes to Physician

Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Extinguishing media which must not be used for safety reasons

No information available

5.2. Special hazards arising from the substance or mixture**Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

None in particular.

5.3. Advice for firefighters**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Avoid dust formation

6.2. Environmental precautions

No special environmental precautions required

6.3. Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Sweep up and shovel into suitable containers for disposal

6.4. Reference to other sections

See Section 12 for additional information.

7. HANDLING AND STORAGE**7.1. Precautions for Safe Handling****Handling**

Ensure adequate ventilation Handle in accordance with good industrial hygiene and safety practice

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice

Exposure scenario

No information available

7.2. Conditions for safe storage, including any incompatibilities

Keep in a dry place

7.3. Specific end use(s)

No information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

Chemical name	EU	United Kingdom	France	Spain	Germany OEL (TWA)
Aluminum oxide 1344-28-1			VME: 10 mg/m ³	VLA-ED: 10 mg/m ³	1.25 mg/m ³ 6.0 mg/m ³ (a)

(a) GOEL - Germany - TRGS 900 - Occupational Exposure Limits - TWAs, (a) exempt facilities listed in 2.4(8) and (9)

Component	Italy	Portugal	Netherlands	Finland	Denmark
Aluminum oxide		TWA: 10 mg/m ³			TWA: 10 mg/m ³

1344-28-1 (>99)				
Component	OSHA PEL	ACGIH TWA		
Aluminum oxide 1344-28-1 (>99)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	1 mg/m ³ TWA (respirable fraction)		

Derived No Effect Level (DNEL) 3 mg/m³, respirable, 8 hour TWA

Predicted No Effect Concentration (PNEC) No information available

8.2. Exposure controls

Personal protective equipment

Eye Protection Wear safety glasses with side shields (or goggles)

Skin Protection No special protective equipment required.

Hand Protection No special protective equipment required.

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

Environmental exposure controls Avoid dust formation

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Powder
Color	White
Odor	None
pH	Not applicable
Flash point (°C) DEGREES	Not applicable
Melting Point/Range	2000-2050 °C
Solubility	Insoluble
Density	2.7-3.94 g/cm ³
Bulk Density	350-1250 kg/m ³

10. STABILITY AND REACTIVITY

10.1. Reactivity

None under normal processing

10.2. Chemical Stability

Stable under normal conditions

10.3. Possibility of Hazardous Reactions

None under normal processing

10.4. Conditions to Avoid

None under normal processing

10.5. Incompatible materials

None under normal processing

10.6. Hazardous Decomposition Products

None under normal processing

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity

Acute toxicity - Oral	Conclusive but not sufficient for classification
Acute toxicity - Dermal	Conclusive but not sufficient for classification
Acute toxicity - Inhalation (Dusts/Mists)	Conclusive but not sufficient for classification
Oral LD50	> 5000 mg/kg (rat)
Dermal LD50	No effect
Inhalation LC50	> 5 mg/m ³ (rat)

Chronic Toxicity

Irritation	Conclusive but not sufficient for classification
Corrosivity	Conclusive but not sufficient for classification
Sensitization	Conclusive but not sufficient for classification
Mutagenic Effects	Conclusive but not sufficient for classification
Carcinogenic effects	Conclusive but not sufficient for classification
Reproductive Effects	Conclusive but not sufficient for classification
Developmental Effects	Conclusive but not sufficient for classification
Aspiration Hazard	Conclusive but not sufficient for classification

12. ECOLOGICAL INFORMATION

12.1. Toxicity**Ecotoxicity effects**

Not water endangering

Aquatic toxicity is unlikely due to low solubility

12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential.

No information available

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods**Waste from Residues/Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal

14. TRANSPORT INFORMATION

Note: Not classified as dangerous in the meaning of transport regulations**IMDG/IMO** Not regulated.**RID** Not regulated.**ADR** Not regulated

ICAO Not regulated

IATA Not regulated

15. REGULATORY INFORMATION

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

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Listed on DSL
PICCS	Complies
ENCS	Complies
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out

16. OTHER INFORMATION

Key literature references and sources for data

www.ChemADVISOR.com/

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<http://almatiswv.thewerco.com/private/search.aspx?language=EN>

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End of Safety Data Sheet