

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code** 834

**Product Name** ALPHABOND

**Contains** Aluminum oxide, CAS 1344-28-1

**Synonyms** Alphabond 300

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

#### Recommended Use

Binder

#### Uses advised against

No information available

### 1.3. Details of the supplier of the safety data sheet

Almatis GmbH  
Lyoner Str. 9  
60528 Frankfurt  
Germany

Almatis, Inc.  
501 West Park Road  
Leetsdale, PA 15056 USA

Almatis GmbH  
Giulinistrasse 2  
67065 Ludwigshafen  
Germany

Qingdao Almatis Co., Ltd.  
Box 150, Sunshine Tower  
61 Hongkong Middle Road  
Qingdao 266071  
P.R. China

Almatis Limited  
Tsuzu  
Iwakuni 740  
Japan

**For further information, please contact**

### 1.4. Emergency telephone number

Almatis: +1 501-776-4677

#### CHEMTREC:

+1-703-527-3887 (INTERNATIONAL)  
+1-800-424-9300 (NORTH AMERICA)

## 2. HAZARDS IDENTIFICATION

### 2.1. - Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

#### Classification according to Directive 67/548/EEC or 1999/45/EC

Not classified

#### R-Phrases

Not applicable

#### GHS Classification

The product is not classified as hazardous according to GHS

**2.2. Label Elements****Symbol(s)**

None

**Signal Word**

None

**Hazard Statements**

None

**Precautionary Statements**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P280 - Wear eye protection/ face protection

P285 - In case of inadequate ventilation wear respiratory protection

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

**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	91.5-95.0	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**

The product itself does not burn

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**

As in any fire, wear self-contained breathing apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment  
Avoid dust formation

**6.2. Environmental precautions**

No special environmental precautions required

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

Recover product. Place into appropriate container for disposal.

**Methods for Cleaning Up**

Shovel or sweep up

## 7. HANDLING AND STORAGE

**7.1. Precautions for Safe Handling****Handling**

Provide appropriate exhaust ventilation at places where dust is formed

**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  
Protect from moisture.

**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 <sup>3</sup>	VLA-ED: 10 mg/m <sup>3</sup>	1.25 mg/m <sup>3</sup> 6.0 mg/m <sup>3</sup> (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 1344-28-1 ( 91.5-95.0 )		TWA: 10 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup>

Component	OSHA PEL	ACGIH TWA
Aluminum oxide 1344-28-1 ( 91.5-95.0 )	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)	1 mg/m <sup>3</sup> TWA (respirable fraction)

**Derived No Effect Level (DNEL)** 3 mg/m<sup>3</sup>, respirable, 8 hour TWA

**Predicted No Effect Concentration (PNEC)** No information available

### **8.2. Exposure controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas

#### **Personal protective equipment**

**Eye Protection** Safety glasses with side-shields

**Skin Protection** No special protective equipment required.

**Hand Protection** No special protective equipment required.

**Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators

**Environmental exposure controls** No information available

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1. Information on basic physical and chemical properties**

<b>Physical State</b>	Powder
<b>Color</b>	White Off-white
<b>Odor</b>	None
<b>pH</b>	10
<b>Flash point (°C) DEGREES</b>	Not applicable
<b>Autoignition temp (°F) DEGREES</b>	Does not ignite
<b>Boiling point/range (°C) DEGREES</b>	Not determined
<b>Melting Point/Range</b>	2050
<b>Melting point (°C) DEGREES</b>	°C
<b>Solubility</b>	Insoluble
<b>Density</b>	3.2 g/cm <sup>3</sup>
<b>Bulk Density</b>	0.32-1.09 g/cm <sup>3</sup>

## **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**

Not applicable

## **11. TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

**Acute Toxicity**

<b>Acute oral toxicity</b>	Conclusive but not sufficient for classification
<b>Acute dermal toxicity</b>	Conclusive but not sufficient for classification
<b>Acute inhalation toxicity</b>	Conclusive but not sufficient for classification

**Chronic Toxicity**

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

## 12. ECOLOGICAL INFORMATION

**12.1. Toxicity****Ecotoxicity effects**

Not water endangering  
(WGK: nwg)

**12.2. Persistence and degradability**

No information available

**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 known

## 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** RID Not regulated.

**ADR** Not regulated Not regulated.

**ICAO** Not regulated Not regulated.

**IATA** Not regulated 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	Complies
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/](http://www.ChemADVISOR.com/)

**Prepared By** Sidney J. DeGarmo, CIH  
Almatis Inc.  
PO BOX 300  
Bauxite AR 72011  
USA  
+1-501-776-4677  
[sidney.degarmo@almatis.com](mailto:sidney.degarmo@almatis.com)

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

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

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End of Safety Data Sheet