

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31



Printing date 11.07.2024

Version number 4

Revision: 11.07.2024

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

- **1.1 Product identifier**
- **Trade name:** SHERAALUMINIUMOXID 250ym, 150ym, 110ym, 50ym
- **Article number:** 603010, 602040, 602030, 602020
- **CAS Number:**  
1344-28-1
- **EC number:**  
215-691-6
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
No further relevant information available.
- **Application of the substance / the mixture:** Abrasives
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SHERA Werkstoff-Technologie GmbH  
Espohlstraße 53  
D-49448 Lemförde  
GERMANY  
sdb@shera.de  
+ 49 (0) 54 43 - 9933 - 0
- **Further information obtainable from:** Department of product security.
- **1.4 Emergency telephone number:**  
+49 5443 9933-0 This number is serviced during office hours.  
Opening times: Monday to Thursday from 8 am - 5 pm, Friday from 8 am - 3 pm.

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008:**  
The substance is not classified, according to the GB CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008:** Void.
- **Hazard pictograms:** Void.
- **Signal word:** Void.
- **Hazard statements:** Void.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.1 Substances**
- **CAS No. Description**  
1344-28-1 aluminium oxide
- **Identification number(s)**
- **EC number:** 215-691-6

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

(Contd. on page 2)

GB

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31



Printing date 11.07.2024

Version number 4

Revision: 11.07.2024

**Trade name: SHERAALUMINIUMOXID 250ym, 150ym, 110ym, 50ym**

(Contd. of page 1)

- **After skin contact:** Wash with water and soap.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
In case of troubles, consult an medical.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
The product itself does not burn.  
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Not known.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Avoid formation of dust.
- **6.2 Environmental precautions** No special measures required.
- **6.3 Methods and material for containment and cleaning up**  
Pick up mechanically.  
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections** No dangerous substances are released.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Prevent formation of dust.  
Ensure good ventilation / exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Store in a dry place, avoid the formation of dust, keep containers closed.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class:** No data available.
- **7.3 Specific end use(s)** No further relevant information available.

GB

(Contd. on page 3)

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.07.2024

Version number 4

Revision: 11.07.2024

Trade name: SHERAALUMINIUMOXID 250ym, 150ym, 110ym, 50ym

(Contd. of page 2)

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Ingredients with limit values that require monitoring at the workplace:

##### 1344-28-1 aluminium oxide

WEL (Great Britain)	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust **respirable dust
AGW (Germany)	Long-term value: 1.25* 10** mg/m <sup>3</sup> 2(II);*alveolar **respirable; AGS, DFG

• **Additional information:** The lists valid during the making were used as basis.

#### 8.2 Exposure controls

- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**  
Respiratory protection in case of forming dust.  
Particle filter device (DIN EN 143)  
Filter P1
- **Hand protection**



Protective gloves

#### Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Recommended thickness of the material:  $\geq 0.11$  mm  
Nitrile rubber, NBR

#### Penetration time of glove material:

For the mixture of chemicals mentioned below the penetration time has to be at least 480 minutes (Permeation according to EN 374).

Protective gloves have to be replaced at the first sign of deterioration.

#### Eye/face protection Safety glasses.

### SECTION 9: Physical and chemical properties

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

##### General Information

• <b>Colour:</b>	White
• <b>Odour:</b>	Odourless
• <b>Melting point/freezing point:</b>	2,050 °C
• <b>Boiling point or initial boiling point and boiling range</b>	2,980 °C
• <b>Flammability</b>	Not applicable.
• <b>Flash point:</b>	2,980 °C
• <b>Auto-ignition temperature:</b>	Not applicable.
• <b>pH</b>	Not applicable.

(Contd. on page 4)

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31



Printing date 11.07.2024

Version number 4

Revision: 11.07.2024

Trade name: SHERAALUMINIUMOXID 250ym, 150ym, 110ym, 50ym

(Contd. of page 3)

· <b>Solubility</b>	
· <b>water:</b>	Insoluble. Not miscible or difficult to mix.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	3.97 g/cm <sup>3</sup>
· <b>Bulk density:</b>	920 kg/m <sup>3</sup>
· <b>9.2 Other information</b>	
· <b>Appearance:</b>	
· <b>Form:</b>	Solid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Solids content:</b>	100.0 %
· <b>Information with regard to physical hazard classes</b>	
· <b>Explosives</b>	Void.
· <b>Flammable gases</b>	Void.
· <b>Aerosols</b>	Void.
· <b>Oxidising gases</b>	Void.
· <b>Gases under pressure</b>	Void.
· <b>Flammable liquids</b>	Void.
· <b>Flammable solids</b>	Void.
· <b>Self-reactive substances and mixtures</b>	Void.
· <b>Pyrophoric liquids</b>	Void.
· <b>Pyrophoric solids</b>	Void.
· <b>Self-heating substances and mixtures</b>	Void.
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void.
· <b>Oxidising liquids</b>	Void.
· <b>Oxidising solids</b>	Void.
· <b>Organic peroxides</b>	Void.
· <b>Corrosive to metals</b>	Void.
· <b>Desensitised explosives</b>	Void.

#### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No data available.
- **10.2 Chemical stability** No data available.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products** No dangerous decomposition products known.

GB

(Contd. on page 5)

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.07.2024

Version number 4

Revision: 11.07.2024

Trade name: SHERAALUMINIUMOXID 250ym, 150ym, 110ym, 50ym

(Contd. of page 4)

#### SECTION 11: Toxicological information

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

- **Acute toxicity:** No data available.

- **LD/LC50 values relevant for classification:**

<b>1344-28-1 aluminium oxide</b>		
Oral	LD50	2,000-15,900 mg/kg (Rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

Substance is not listed.
--------------------------

#### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability**

Chemically inert and insoluble in water.

Mechanical separation process.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:** Generally not hazardous for water.

#### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation:**

Waste disposal according to official state regulations.

Smaller quantities can be disposed of with household waste.

- **Waste disposal key:**

The waste disposal code as prescribed in the European Waste Catalogue (EWC) depends on the waste producer and can thus vary for a product. The waste disposal code should thus be obtained separately from the waste producer in each case.

(Contd. on page 6)

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 11.07.2024

Version number 4

Revision: 11.07.2024

**Trade name: SHERAALUMINIUMOXID 250ym, 150ym, 110ym, 50ym**

(Contd. of page 5)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

#### SECTION 14: Transport information

- |   |                 |
|---|-----------------|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                       | Void.           |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Void.           |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void.           |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void.           |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | No.             |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>                       | Not applicable. |
| · <b>UN "Model Regulation":</b>   | Void.           |

#### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

#### SECTION 16: Other information

This information is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of product properties and do not constitute the basis for a contractual legal relationship. The details must not be changed or transferred to other products. Duplication in an unchanged state is permissible.

- **Department issuing SDS:** Department of product security.
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)

(Contd. on page 7)

GB

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006, Article**  
**31**



Printing date 11.07.2024

Version number 4

Revision: 11.07.2024

**Trade name: SHERAALUMINIUMOXID 250ym, 150ym, 110ym, 50ym**

LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

· \* **Data compared to the previous version altered.**

(Contd. of page 6)

GB