

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 29.07.2015

Version number 1

Revision: 29.07.2015

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

- **Version number 1.0**
- **1.1 Product identifier**
- **Trade name Aluminiumoxid, No. 315**
- **Article number:** 101014
- **CAS Number:**
1344-28-1
- **EC number:**
215-691-6
- **Registration number** 01-2119529248-35
- **1.2 Relevant determined uses of the substance or mixture; and uses advised against:**
No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Lombert GmbH
Buschhausener Straße 153, 46049 Oberhausen - Germany
Telefon: 0049-208-58004-0; Telefax: 0049-208-58004-38
E-Mail: info@lombert.org
- **Informing department:** Product Safety Department
- **1.4 Emergency telephone number:**
Emergency Call:
Poison Control Center Mainz - 24 hour emergency service - Tel: +49 (0) 6131/19240

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 CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Precautionary statements**
 - P285 In case of inadequate ventilation wear respiratory protection.
 - P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 - P280 Wear protective gloves/protective clothing/eye protection/face 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 water.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Designation:**
1344-28-1 Aluminiumoxid

(Contd. on page 2)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 29.07.2015

Version number 1

Revision: 29.07.2015

Trade name Aluminiumoxid, No. 315

(Contd. of page 1)

- **Identification number(s):**
- **EC number:** 215-691-6

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information**
Instantly remove any clothing soiled by the product.
Remove breathing apparatus only after soiled clothing has been completely removed.
In case of irregular breathing or respiratory arrest provide artificial respiration.
Personal protection for the First Aider.
- **After inhalation**
Supply fresh air.
Get medical advice/attention if you feel unwell.
- **After skin contact** Instantly rinse with water.
- **After eye contact** Rinse immediately with plenty of water.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Consult doctor if feeling unwell.
- **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**
Product is not flammable.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents** No special restrictions.
- **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 causing and depositing of dust.
Use breathing protection against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:**
Absorb mechanically.
Avoid generation of dust.
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
No dangerous materials are released.
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

GB

(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 29.07.2015

Version number 1

Revision: 29.07.2015

Trade name Aluminiumoxid, No. 315

(Contd. of page 2)

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Prevent formation of dust.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Dry storage.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** No.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** Required suction: if dusty.

- **8.1 Control parameters**

- **Components with critical values that require monitoring at the workplace:**

1344-28-1 Aluminiumoxid

| | |
|-----|---|
| WEL | Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust |
|-----|---|

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Wash hands during breaks and at the end of the work.

Instantly remove any soiled and impregnated garments.

- **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

- **Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

NBR (Nitrile)

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.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses

- **Body protection:** Protective work clothing.

GB

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 29.07.2015

Version number 1

Revision: 29.07.2015

Trade name Aluminiumoxid, No. 315

(Contd. of page 3)

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Powder

Colour: White

· Smell: Odourless

· Odour threshold: Not applicable.

· pH-value: Not applicable.

· Change in condition

Melting point/Melting range: 2050 °C

Boiling point/Boiling range: 2980 °C

· Flash point: Not applicable.

· Inflammability (solid, gaseous) Product is not inflammable.

· Ignition temperature: Not identified.

· Decomposition temperature: Not determined.

· Self-inflammability: Product is not selfigniting.

· Danger of explosion: Product is not explosive.

· Critical values for explosion:

Lower: Not determined.

Upper: Not determined.

· Oxidising properties not classified as oxidising

· Steam pressure: Not applicable.

· Density at 20 °C 3.4 - 3.9 g/cm³

· Vapour density Not applicable.

· Evaporation rate Not applicable.

· Solubility in / Miscibility with

Water at 20 °C: 0.00002 g/l

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

dynamic: Not applicable.

· 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity The substance is stable under normal conditions of use.

· 10.2 Chemical stability Stable under recommended storage conditions.

· 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: None known.

GB

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 29.07.2015

Version number 1

Revision: 29.07.2015

Trade name Aluminiumoxid, No. 315

(Contd. of page 4)

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

· Acute toxicity

· LD/LC50 values that are relevant for classification:

| | | |
|------------|------|----------------------|
| Oral | LD50 | > 2000 mg/kg (Ratte) |
| Inhalative | LC50 | 7.6 mg/l (Ratte) |

· Primary irritant effect:

· **Skin corrosion/irritation** No irritant effect.

· **Sensitisation:** No sensitising effect known.

· Subacute to chronic toxicity:

| | | |
|------------|-------|------------------------------|
| Oral | NOAEL | 30 mg/kg (Ratte) |
| Inhalative | NOAEC | 70 mg/m ³ (Ratte) |

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

| | |
|------|---|
| EC50 | > 100 mg/l (Daphnia magna (großer Wasserfloh)) |
| | > 100 mg/l (Selenastrum capricornutum (Grünalge)) |
| LC50 | > 100 mg/l (Forelle (Salmo trutta)) |

· **12.2 Persistence and degradability** No further relevant information available.

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

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

· Additional ecological information:

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

· 12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Check material recycling.

Disposal according to official regulations.

· Waste disposal key number:

The waste code according to the Waste Catalogue Ordinance (AVV) must be determined by the waste producer, it depends on the type of use/ type of waste generation and may be different for a particular product.

· European waste catalogue

The appropriate code according to the European Waste Catalogue (EWC) should be used.

· Uncleaned packagings:

· Recommendation:

The recovery, if possible, preferred to disposal or incineration.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 29.07.2015

Version number 1

Revision: 29.07.2015

Trade name Aluminiumoxid, No. 315

Disposal must be made according to official regulations.

(Contd. of page 5)

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations**
- **Water hazard class:** Generally not hazardous for water.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:** Environment protection department.
- **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
 RTECS - Registry of Toxic Effects of Chemical Substances
 ADR: Accord européen sur le transport 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)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
- **Sources** This information is based on information from suppliers.