

**Trade name:** AEQUIDUR

**Current version :** 2.0.2, issued: 01.11.2022

**Replaced version:** 2.0.1, issued: 29.01.2019

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**AEQUIDUR**

Substance name aluminium oxide

**Identification numbers**

CAS no. 1344-28-1

EC no. 215-691-6

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

**Relevant identified uses of the substance or mixture**

Additive

**Uses advised against**

No data available.

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

**Address**

SCAN-DIA GmbH  
Luetkenheider Strasse 11  
58099 Hagen  
Germany

Telephone no. +49 (0) -2331-62469-0

Fax no. +49 (0) -2331-62469-29

e-mail info@scan-dia.com

**Advice on Safety Data Sheet**

sdb\_info@umco.de

### 1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification information**

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

### 2.2 Label elements

Not relevant

### 2.3 Other hazards

No data available.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

**Chemical characterization**

Substance name aluminium oxide

**Identification numbers**

CAS no. 1344-28-1

EC no. 215-691-6

### 3.2 Mixtures

Not applicable. The product is not a mixture.

## SECTION 4: First aid measures

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## 4.1 Description of first aid measures

### General information

In all cases of doubt, or when sickness symptoms persist, seek medical attention.

### After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

### After skin contact

Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists. Do not rub!

### After eye contact

Do not rub! Remove contact lenses, irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

### After ingestion

Call a doctor immediately. Do not induce vomiting - aspiration hazard. Rinse out mouth and give plenty of water to drink.

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

### Symptoms

Irritating to eyes, respiratory system and skin. Degreasing effect on skin, causes dry and rough skin.

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

No data available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Extinguishing measures to suit surroundings.

#### Unsuitable extinguishing media

No data available.

### 5.2 Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Avoid contact with skin, eyes and clothing. Avoid dust formation. Ensure adequate ventilation.

#### For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

### 6.2 Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Collect mechanically. When collected, handle material as described under the section heading "Disposal considerations". Avoid raising dust.

### 6.4 Reference to other sections

Information regarding waste disposal, see section 13. Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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**Advice on safe handling**

Avoid the formation and deposition of dust. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

**General protective and hygiene measures**

Wash hands before breaks and after work. Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuffs.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed. Store in a dry place. Protect from atmospheric moisture and water. Keep only in the original container in a cool, well ventilated place.

**Incompatible products**

Do not store together with oxidizing agents.

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****Occupational exposure limit values**

No	Substance name	CAS no.	EC no.
1	aluminium oxide	1344-28-1	215-691-6
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Aluminium oxides			
total inhalable dust			
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Aluminium oxides			
respirable dust			
	WEL long-term (8-hr TWA reference period)	4	mg/m <sup>3</sup>

**8.2 Exposure controls****Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

**Personal protective equipment****Respiratory protection**

In case of dust formation, use a fine dust face mask. fine dust mask with filter P2 (EN 143), colour code: white

**Eye / face protection**

Safety glasses with side protection shield (EN 166)

**Hand protection**

Chemical resistant gloves (EN 374); For prolonged or repeated contact: use barrier creams, which may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. Mind the manufacturer recommendations. Please read the protective glove manufacturer's information relating to permeation rates and breakthrough times and the particular conditions at the workplace.

Appropriate Material rubber  
Appropriate Material Leather

**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties**

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### 9.1 Information on basic physical and chemical properties

<b>State of aggregation</b>	
solid	
<b>Form</b>	
solid	
<b>Colour</b>	
white; brown	
<b>Odour</b>	
odourless	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	> 2200 °C
<b>Melting point/freezing point</b>	
Value	> 2000 °C
<b>Decomposition temperature</b>	
No data available	
<b>Flash point</b>	
No data available	
<b>Ignition temperature</b>	
No data available	
<b>Flammability</b>	
No data available	
<b>Lower explosion limit</b>	
No data available	
<b>Upper explosion limit</b>	
No data available	
<b>Vapour pressure</b>	
No data available	
<b>Relative vapour density</b>	
No data available	
<b>Relative density</b>	
No data available	
<b>Density</b>	
No data available	
<b>Solubility in water</b>	
Comments	insoluble
<b>Solubility</b>	
No data available	
<b>Partition coefficient n-octanol/water (log value)</b>	
No data available	
<b>Kinematic viscosity</b>	
No data available	
<b>Particle characteristics</b>	
No data available	

### 9.2 Other information

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**Other information**

No data available.

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Stable under recommended storage and handling conditions (See section 7).

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

No data available.

**10.5 Incompatible materials**

None known.

**10.6 Hazardous decomposition products**

None, if handled according to intended use.

**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

No data available

**Acute dermal toxicity**

No data available

**Acute inhalational toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/irritation**

No data available

**Respiratory or skin sensitisation**

No data available

**Germ cell mutagenicity**

No data available

**Reproduction toxicity**

No data available

**Carcinogenicity**

No data available

**STOT - single exposure**

No data available

**STOT - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Symptoms related to the physical, chemical and toxicological characteristics**

Skin contact may cause mechanical irritation through dust particles. Eye contact may cause mechanical irritation through dust particles.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

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Repeated and prolonged exposure to high dust concentrations may lead to irritation of the respiratory tract.

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish (acute)

No data available

#### Toxicity to fish (chronic)

No data available

#### Toxicity to Daphnia (acute)

No data available

#### Toxicity to Daphnia (chronic)

No data available

#### Toxicity to algae (acute)

No data available

#### Toxicity to algae (chronic)

No data available

#### Bacteria toxicity

No data available

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

No data available.

### 12.6 Endocrine disrupting properties

No data available.

### 12.7 Other adverse effects

No data available.

### 12.8 Other information

#### Other information

Do not allow to enter soil, waterways or waste water canal.  
Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Remove in accordance with local official regulations.

Waste code 06 03 16 metallic oxides other than those mentioned in 06 03 15

The listed waste code numbers, according to the European Waste Catalogue, are to be understood as a recommendation. A final decision must be made in agreement with the regional waste disposal company.

#### Packaging

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Completely discharge containers. Do not reuse product container. Packaging that cannot be cleaned should be disposed off as product waste.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

### 14.6 Special precautions for user

No data available.

### 14.7 Maritime transport in bulk according to IMO instruments

Not relevant

## SECTION 15: Regulatory information

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

#### EU regulations

#### **Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)**

In accordance with the REACH regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

#### **REACH candidate list of substances of very high concern (SVHC) for authorisation**

In accordance with article 57 and article 59 of the Reach regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation ("Authorization list").

#### **Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES**

The substance is not subject to the provisions of annex XVII (restriction entries) of the Reach regulation (EC) 1907/2006.

#### **Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances**

This substance is not subject to Part 1 or 2 of Annex I

### 15.2 Chemical safety assessment

No data available.

## SECTION 16: Other information

#### **Sources of key data used to compile the data sheet:**

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

National Threshold Limit Values of the corresponding countries as amended in each case.

#### **Creation of the safety data sheet**

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# EU safety data sheet



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This information is based on our present knowledge and experience.  
The safety data sheet describes products with a view to safety requirements.  
It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

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