

**Safety Data Sheet**

according to UK REACH Regulation

**Flammschutzmittel**

Revision date: 20.05.2021

Product code: 210200

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Flammschutzmittel

Substance name: Aluminium hydroxide fine  
 REACH Registration Number: 01-2119529246-39-0040  
 CAS No: 21645-51-2

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

Additive, flame retardant

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

Company name: R&G Faserverbundwerkstoffe GmbH  
 Street: Im Meißel 7 - 13  
 Place: D-71111 Waldenbuch  
 Post-office box: 1145  
 D-71107 Waldenbuch  
 Telephone: +49-7157-530460  
 e-mail: info@r-g.de  
 Contact person: Michael Groß  
 e-mail: info@r-g.de  
 Internet: www.r-g.de  
 Responsible Department: Management  
 Telefax: +49-7157-530470

**1.4. Emergency telephone number:** Vergiftungs-Informationen-Zentrale Freiburg  
 Tel: +49 (0)761 19240

**SECTION 2: Hazards identification****2.2. Label elements****GB CLP Regulation**

Signal word: Warning

Pictograms:

**Hazard statements**

H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.

**Precautionary statements**

P501 Entsorgung des Inhalts/Behälters gemäß den örtlichen, regionalen, nationalen u. internat. Vorschriften.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P280 Wear Schutzhandschuhe/ -kleidung/ Augen- / Gesichtsschutz.

**SECTION 3: Composition/information on ingredients****3.1. Substances****Hazardous components**

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	GHS Classification	
21645-51-2	Aluminium hydroxide fine	100 %
		01-2119529246-39-0040

Full text of H and EUH statements: see section 16.

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**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
21645-51-2		Aluminium hydroxide fine	100 %
		oral: LD50 = > 2000 mg/kg	

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated, saturated clothing immediately.

**After inhalation**

Provide fresh air.

If you feel unwell, consult a doctor.

**After contact with skin**

Generally the product does not irritate the skin.

**After contact with eyes**

Rinse opened eye for several minutes under running water.

**After ingestion**

In case of complaints, consult a doctor.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO<sub>2</sub>), dry chemical, water spray. Larger fires can be extinguished with a water spray jet or alcohol-resistant foam.**SECTION 6: Accidental release measures****SECTION 7: Handling and storage****7.1. Precautions for safe handling****7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store product in a cool, dry and well-ventilated place.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Protective and hygiene measures**

Remove contaminated, saturated clothing immediately.

**Skin protection**

Wear protective clothing.

**Respiratory protection**

Recommended filter device for short-term use: Filter A2-P2

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state: Powder  
 Colour: white  
 Odour: odourless

pH-Value (at 20 °C): 8-9

**Changes in the physical state**

Melting point/freezing point: 300 °C

**Explosive properties**

not explosive.

Decomposition temperature: 150 - 220°C °C

Density: 2,42 g/cm<sup>3</sup>Bulk density: 600 kg/m<sup>3</sup>

Water solubility: 0,0015 g/L

(at 20 °C)

**SECTION 10: Stability and reactivity**

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**10.1. Reactivity**

Stable when stored and handled properly.

**10.2. Chemical stability**

Stable when stored and handled properly.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
21645-51-2	Aluminium hydroxide fine				
	oral	LD50 mg/kg	> 2000	Rat	

**SECTION 12: Ecological information****12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
21645-51-2	Aluminium hydroxide fine					
	Fish toxicity	NOEC mg/l	> 100	4 d	Salmon trutta	
	Algae toxicity	NOEC mg/l	> 100	3 d	Selenastrum capricornutum	
	Crustacea toxicity	NOEC mg/l	> 100	2 d	Daphnia magna	

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

local/regional/national/international regulations

**List of Wastes Code - residues/unused products**060205 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the MFSU of bases; other bases;  
hazardous waste**Contaminated packaging**

Dispose of waste according to applicable legislation

**SECTION 14: Transport information****14.6. Special precautions for user**

No dangerous good in sense of these transport regulations.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Transport in bulk according to Annex II of MARPOL 78/78 and the IBC Code

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water hazard class (D): - - non-hazardous to water

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.