

**O58942 Aluminum Hydroxide, fine**

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Version: 1.1

Printed: 17.11.2020

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**1. Identification of the Substance/Mixture and of the Company/Undertaking****1.1. Product Identifier***Product Name:* Aluminum Hydroxide, fine*Article No.:* O58942**1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against***Identified uses:**Flame retardant  
Intermediate product**Uses advised against:***1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)***Company:* Interlabshop BV*Address:* Lage Brink 23, 7317BD Apeldoorn The Netherlands*Tel./Fax.:* +31(0)55-5215016*Internet:* www.labshop.nl*E-Mail:* labshop@labshop.nl*Importer:*

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**1.4. Emergency No.***Emergency No.:* 112 (24 hours a day)**1.4.2 Poison Center:**

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**2. Hazards Identification****2.1. Classification of the Substance or Mixture***Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)**This product does not require classification and labelling as  
hazardous according to CLP/GHS.**Possible Environmental Effects:***2.2. Label Elements***Classification according to Regulation  
(EC) No. 1272/2008 (CLP/GHS)**This product does not require classification and labelling as  
hazardous according to CLP/GHS.**Hazard designation:**Not applicable.**Signal word:**Hazard designation:**Safety designation:**Hazardous components for labelling:***2.3. Other Hazards**

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**3. Composition/Information on Ingredients****Substance**

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**3.1.****3.2. Mixture***Chemical Characterization:**Information on Components / Hazardous Ingredients:*

Aluminium hydroxide; REACH Reg. No. 01-2119529246-39-xxxx

100 %

CAS-Nr: 21645-51-2

EINECS-Nr: 244-492-7

EC-Nr:

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*Additional information:*

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**4. First Aid Measures****4.1. Description of the First Aid Measures***General information:**Seek medical attention in case of complaints.**After inhalation:**Supply fresh air.**After skin contact:**Wash off with plenty of water and soap.**After eye contact:**Rinse open eye for several minutes under running water.**After ingestion:**Rinse mouth with plenty of water.**Do not induce vomiting.**If symptoms persist consult physician.***4.2. Most important Symptoms and Effects, both Acute and Delayed***Symptoms:**No further information available.**Effects:***4.3. Indication of any Immediate Medical Attention and special Treatment needed***Treatment:**No further information available.*

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**5. Fire-Fighting Measures****5.1. Extinguishing Media***Suitable extinguishing media:**Use extinguishing media for surrounding fire.**Unsuitable extinguishing media:**Halons***5.2. Special Hazards arising from the Substance or Mixture***Special hazards:**Product is not flammable.**Do not inhale explosion and smoke fumes and gases.*

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**5.3. Advice for Firefighters***Protective equipment:**Wear suitable protective clothing.**Further information:**Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.*

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**6. Accidental Release Measures****6.1. Personal Precautions, Protective Equipment and Emergency Procedures***Personal precautions:**Ensure adequate ventilation.**Wear protective clothing.***6.2. Environmental Precautions***Environmental precautions:**Prevent contamination of soil, drains and surface waters.***6.3. Methods and Material for Containment and Cleaning Up***Methods and material:**Take up mechanically and collect in suitable containers for disposal.***6.4. Reference to other Sections***Protective clothing, see Section 8.**Dispose of contaminated material according to Section 13.*

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**7. Handling and Storage****7.1. Precautions for Safe Handling***Instructions on safe handling:**Avoid contact with eyes and skin.**Avoid formation of dust. Do not inhale dust.**Hygienic measures:**Keep away from foodstuffs and drinks.**Remove contaminated clothing before entering dining areas.**Wash hands at the end of work. Preventive skin protection recommended.***7.2. Conditions for Safe Storage, including any Incompatibilities***Storage conditions:**Store product in a cool, dry and well ventilated area.**Protect product from humidity.**Do not store together with food stuff and animal feed.**Requirements for storage areas and containers:**Store the product in the original container.**Information on fire and explosion protection:**No special measures necessary.**Storage class:*

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*13; Non combustible solids (TRGS 510)**Further Information:**Do not mix with acids.***7.3. Specific End Use(s)***Further information:*

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**8. Exposure Controls/Personal Protection****8.1. Parameters to be Controlled***Parameters to be controlled (DE):**TRGS 900**TLV: 1.25 mg/m<sup>3</sup> air-borne fraction (general dust limit)**TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)**Peak limit category 2**Category II: substances with a resorptive effect.**Parameters to be controlled:**Derived No-Effect Level (DNEL):**10.76 mg/m<sup>3</sup> (worker, inhalation, long-term exposition - systemic effects)**4.75 mg/kg bw/d (consumer, swallowing, long-term exposition - systemic effects)**Predicted No-Effect Concentration (PNEC):**Additional Information:***8.2. Exposure Controls***Technical protective measures:**Provide adequate ventilation/exhaust system.**Personal Protection**General protective measures:**The usual precautionary measures are to be adhered to when handling chemicals.**Wash hands before breaks and after work.**Respiratory protection:**Respiratory equipment required in case of insufficient ventilation, particle filter (EN 143)**Hand protection:**Chemical protective gloves (EN 374 (Europe), F739 (US)).**Protective glove material:**Eye protection:**Not required.**Body protection:**Protective clothing.**Environmental precautions:**Prevent from getting into the soil, surface water and sewage*

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*system.*

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**9. Physical and Chemical Properties****9.1. Information on Basic Physical and Chemical Properties**

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>white</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>8 - 9 (100 g/l; 20°C)</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>non-combustible</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>&lt; 0.001 kPa (20°C)</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>2.42 g/cm<sup>3</sup> (20°C)</i>
<i>Solubility in water:</i>	<i>1.5 mg/l (20°C)</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>&gt; 150°C</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>Product does not present an explosion hazard.</i>
<i>Oxidizing properties:</i>	

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*not oxidizing**Bulk density:***9.2. Further Information***Solubility in solvents:**Viscosity, kinematic:**Burning class:**Solvent content:**Solid content:**Particle size:**Other information:**No further information.*

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**10. Stability and Reactivity****10.1. Reactivity***Stable if used according to specifications.***10.2. Chemical Stability***Stable if used according to specifications.***10.3. Possibility of Hazardous Reactions***Unknown.***10.4. Conditions to Avoid***Conditions to avoid:**No further information available.**Thermal decomposition:***10.5. Incompatible Materials***Acids and bases**Fluorine***10.6. Hazardous Decomposition Products***None if stored and handled according to specifications.***10.7. Further Information**

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**11. Toxicological Information****11.1. Information on Toxicological Effects***Acute Toxicity**LD50, oral: > 2000 mg/kg (rat)**LD50, dermal:**No information available.**LC50, inhalation:**No information available.**Primary effects**Irritant effect on skin:**Non irritating (rabbit; OECD 404)*

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*Irritant effect on eyes:**Non-irritating to eyes (rabbit; OECD 405)**Inhalation:**No information available.**Ingestion:**No information available**Sensitization:**No sensitizing effects known.**Mutagenicity:**No relevant data found.**Reproductive toxicity:**No relevant data found.**Carcinogenicity:**No relevant data found.**Teratogenicity:**No information available.**Specific target organ toxicity (STOT):**No relevant data found.**Additional toxicological information:*

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**12. Ecological Information****12.1. Aquatic Toxicity***No information available.**Fish toxicity:**Daphnia toxicity:**Bacteria toxicity:**Algae toxicity:***12.2. Persistency and Degradability***No information available.***12.3. Bioaccumulation***No information available.***12.4. Mobility***No information available.***12.5. Results of PBT- und vPvP Assessment***Not applicable.***12.6. Other Adverse Effects***Water hazard class:**Not hazardous.**Behaviour in sewage systems:**Further ecological effects:**AOX Value:*

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**13. Disposal Considerations****13.1. Waste Treatment Methods***Product:**Dispose of according to official national and local regulations.**European Waste Code (EWC):**Uncleaned packaging:**Dispose of according to official local regulations.**Waste Code No.:*

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**14. Transport Information****14.1. UN Number***ADR, IMDG, IATA***14.2. UN Proper Shipping Name***ADR/RID:**No hazardous goods according to ADR (land transportation).**IMDG/IATA:**No hazardous goods according to IMDG.***14.3. Transport Hazard Classes***ADR Class:**not applicable**Hazard no.:**Classification code:**Tunnel restriction code:**IMDG Class (sea):**Hazard no.:**EmS No.:**IATA Class:**not applicable**Hazard no.:***14.4. Packaging Group***ADR/RID:**not applicable**IMDG:**IATA:***14.5. Environmental Hazards***None***14.6. Special Precautions for User***Not classified as a dangerous good under transport regulations.***14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code**

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**14.8. Further Information**

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**15. Regulatory Information****15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture***Water hazard class:**0, not hazardous (German Regulation)**Local regulations on chemical accidents:**Seveso III: does not apply**Employment restrictions:**Restriction and prohibition of application:**EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable**Technical instructions on air quality:**5.2.1. Total dust, including fine dust: > 25 wt-% (m >= 0.2 g/h, conc. 20 mg/m<sup>3</sup>)***15.2. Chemical Safety Assessment***A Chemical Safety Assessment has been carried out for this product.***15.3. Further Information***RoHS Directive 2011/65/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS 2): not listed.**Regulation (EC) No. 166/2006 concerning the establishment of a European Pollutant Release and Transfer Register (PRTR): Not listed**Regulation (EU) No. 98/2013 on the marketing and use of explosives precursors: Not listed**Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable**Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable**EU Water Directive (2006/60/EC):**Substance name: aluminium hydroxide; Metals and metal compounds (List A)*

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**16. Other Information***This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*