



Safety Data Sheet according to 1907/2006/EC, Article 31 (REACH)

1 Identification of substance

. Product details

. Trade name Aluminium Hydroxide NF

. Article number: 25105

. Application of the substance / the preparation

Construction chemicals

Formulation additive

Processing aid

. Supplier:

Richard Baker Harrison Ltd,
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Newcastle under Lyme
Staffordshire ST5 1BT

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. Manufacturer:

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. Information:

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. Emergency information:

Works Ladenburg Phone +49 6203 / 77-112
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2 Hazards identification

. Hazard designation: Void

. Information pertaining to particular dangers for man and environment Void

. Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

. GHS label elements Void

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3 Composition/information on ingredients

- . **Chemical characterization:**
- . **CAS No. Designation:**
21645-51-2 aluminium hydroxide
- . **Identification number(s):**
- . **EINECS Number:** 244-492-7

4 First aid measures

- . **General information** No special measures required.
- . **After inhalation :** Supply fresh air; consult doctor in case of symptoms.
- . **After skin contact :** Wash with water and soap.
The product is not skin irritating.
- . **After eye contact :** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- . **After swallowing :** Rinse out mouth and then drink plenty of water (approx. 500 ml).

5 Fire fighting measures

- . **Suitable extinguishing agents**
Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water jet. Fight larger fires with foam.
- . **Special hazards caused by the material, its products of combustion or flue gases:**
None
- . **Protective equipment:** No special measures required.

6 Accidental release measures

- . **Person-related safety precautions:** Avoid causing dust. Wear protective clothing.
- . **Measures for environmental protection:** No special measures required.
- . **Measures for cleaning/collecting:** Collect mechanically.
- . **Additional information:** No dangerous materials are released.

7 Handling and storage

- . **Handling**
- . **Information for safe handling:**
Prevent formation of dust.
Provide suction extractors if dust is formed.
- . **Information about protection against explosions and fires:**
The product is not flammable.

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No special measures required.

. Storage

- . Requirements to be met by storerooms and containers:** No special requirements.
- . Information about storage in one common storage facility:** Not required.
- . Further information about storage conditions:** Store under dry conditions.

8 Exposure controls and personal protection

. Additional information about design of technical systems:

No further data; see item 7.

. Components with critical values that require monitoring at the workplace:

Not required.

. Additional information:

The lists that were valid during compilation were used as a basis.

. Personal protective equipment

. General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

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

Do not inhale dust / smoke / mist.

Avoid contact with the eyes.

. Breathing equipment:

Short term filter device: ABEK-filter

Filter P1.(For solid particles, DIN 3181)

. Protection of hands:

Not required.

. Material of gloves

Not applicable

. Penetration time of glove material

Not applicable

. Eye protection:

Safety glasses (DIN 58211, EN 166)

. Body protection:

Light weight protective clothing

9 Physical and chemical properties:

. General Information

Form:

Solid

Colour:

White

Smell:

Odourless

. Change in condition

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Melting point/Melting range:	> 1000°C
Boiling point/Boiling range:	Not determined
. Flash point:	Not applicable
. Ignition temperature:	Not applicable
. Decomposition temperature:	> 150°C
. Danger of explosion:	Product is not explosive.
. Steam pressure at 20°C:	< 0.1 hPa
. Density	
Settled apparent density at 20°C	ca. 250 kg/m ³
. Solubility in / Miscibility with Water:	Unsoluble
. pH-value (100 g/l) at 20°C:	ca. 5.5 (Suspension)

10 Stability and reactivity

. Thermal decomposition / conditions to be avoided:

Can decompose slowly with localised heating above 150°C

Thermal decomposition on losing water

. **Materials to be avoided:** May react vigorously with strong acids.

. **Dangerous composition products:** No dangerous decomposition products known

11 Toxicological information

. Acute toxicity:

. LD/LC50 values that are relevant for classification:

Components	Type	Value	Species
Product	LD50: Oral	> 2000 mg/kg	Rat

. Primary irritant effect:

. **on the skin:** No irritant effect.

. **on the eye:** Moderate irritation

. **Sensitization:** No sensitizing effect known.

. Additional toxicological information:

In our experience and according to the information provided to us, the product does not have any harmful effects when used and handled according to specification.

The material is not subject to classification according to EC lists in the last version.

12 Ecological information:

. Information about elimination (persistence and degradability):

. Other information:

Inorganic salts are basically not biodegradable.

Easy elimination possible by flocculation or adsorption by sludge.

. Ecotoxicological effects:

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. Other information:

No VOC according to EC-directive 1999/13/EC

No COD, no BOD, no AOX

. Additional ecological information:

. According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:

None

13 Disposal considerations

. Product:

. Recommendation

Smaller quantities can be disposed with household garbage.

Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

. European waste catalogue

16 03 04 inorganic wastes other than those mentioned in 16 03 03

. Uncleaned packaging:

. Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

Dispose of packaging according to regulations on the disposal of packagings.

. Recommended cleaning agent: Water, if necessary with cleaning agent.

14 Transport information

. UN "Model Regulation": -

. Transport/Additional information:

Not dangerous according to the above regulations.

15 Regulatory information

. Designation according to EC guidelines:

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

Observe the normal safety regulations when handling chemicals

EINECS Number: 244-492-7

. National regulations

. Decree to be applied in case of technical fault:

Major accidents hazards regulation, annex: not applicable (German regulation)

. Water hazard class:

WGK 1 : low water hazard risk (German regulation)

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. Other regulations, limitations and prohibitive regulations

The general dust exposure limit of 3 mg/m³, measured as alveolic part has to be observed (German TRGS 900, 2006).

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:

Occupational health and safety department

. Abbreviations and acronyms:

GHS: Globally Harmonized 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

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