



BE SURE. BUILD SURE.

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Safety data sheet according to UK REACH

Printing date 14.09.2024

Version number 34 (replaces version 33)

Revision: 14.09.2024

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

1.1 Product identifier

Trade name **Nafuquick**

Article number: 422

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

No further relevant information available.

Application of the substance / the mixture

Knife filler/ Surfacers

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier: MC-Bauchemie Müller GmbH & Co. KG
Am Kruppwald 1-8
D-46238 Bottrop
Tel.: +49(0)2041-101-0
Fax.: +49(0)2041-101-400
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG
Hagackerstr. 10
CH-8953 Dietikon
Tel.: +44-7400510
Fax : +44-7400533

Informing department: msds@mc-bauchemie.de

1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)
Tel.: +1 872 5888271 (MCR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

STOT SE 3 H335 May cause respiratory irritation.

2.2 Label elements

Labelling according to

Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS05 GHS07

Signal word

Danger

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- **Hazard-determining components of labelling:** Portland cement
Fly ash Portland cement
calcium oxide
- **Hazard statements** H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
- **Precautionary statements** P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥20-≤30%
CAS: 1317-65-3	Calcium carbonate substance with a Community workplace exposure limit	<5%
CAS: 68475-76-3	Fly ash Portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥1-<2.5%
CAS: 1305-78-8 EINECS: 215-138-9	calcium oxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥1-<1.5%
CAS: 13463-67-7 EINECS: 236-675-5	Titanium Dioxide Carc. 2, H351	<1%

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Additional information

For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

- **After inhalation** Supply fresh air.
Seek medical treatment in case of complaints.
- **After skin contact** Instantly wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for several minutes under running water.
Seek medical treatment.
- **After swallowing** Rinse out mouth and then drink plenty of water.
Seek medical treatment.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **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** Not required.
- **6.2 Environmental precautions:** Do not allow to enter drainage system, surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
Dispose of the material collected according to regulations.
- **6.4 Reference to other sections** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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.

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7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by

storerooms and containers: Store only in the original container.

Information about storage in one common storage facility: Not required.

Further information about

storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

Storage class

13

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace:

CAS: 65997-15-1 Portland cement

WEL Long-term value: $10^* 4^{**} \text{ mg/m}^3$
*inhalable dust **respirable dust

CAS: 1317-65-3 Calcium carbonate

WEL Long-term value: $10^* 4^{**} \text{ mg/m}^3$
*inhalable dust; **respirable

CAS: 1305-78-8 calcium oxide

WEL Short-term value: 4^* mg/m^3
Long-term value: $2 1^* \text{ mg/m}^3$
*respirable fraction

CAS: 13463-67-7 Titanium Dioxide

WEL Long-term value: $10^* 4^{**} \text{ mg/m}^3$
*total inhalable **respirable

DNELs

CAS: 65997-15-1 Portland cement

Inhalative DNEL $1 \text{ mg/m}^3 \text{ (ArL)}$

CAS: 1317-65-3 Calcium carbonate

Oral DNEL $6.1 \text{ mg/kg bw/Tag (ArL)}$

Inhalative DNEL $10 \text{ mg/m}^3 \text{ (ArL)}$

CAS: 1305-78-8 calcium oxide

Inhalative DNEL $1 \text{ mg/m}^3 \text{ (ArL)}$

PNECs

CAS: 1317-65-3 Calcium carbonate

PNEC $100 \text{ mg/l (Sewage Treatment Plant)}$

CAS: 1305-78-8 calcium oxide

PNEC 2.27 mg/l (BEL)

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PNEC	0.24 mg/l (Mew) 0.37 mg/l (Freshwater) 817.4 mg/kg dwt (Bod)
· Additional information:	The lists that were valid during the compilation were used as basis.
· 8.2 Exposure controls	
· Appropriate engineering controls	No further data; see section 7.
· Individual protection measures, such as personal protective equipment	
· General protective and hygienic measures	Keep away from foodstuffs, beverages and food.
	Instantly remove any soiled and impregnated garments.
	Wash hands during breaks and at the end of the work.
	Avoid contact with the eyes and skin.
· Breathing equipment:	Filter P1.
	In case of brief exposure or low pollution or when application is performed at confined area with adequate mechanical ventilation meeting local authority requirements, use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
· Hand protection	Protective gloves.
	Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
	After use of gloves apply skin-cleaning agents and skin cosmetics.
· Material of gloves	Strong gloves
	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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· Penetration time of glove material	The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.
· Eye/face protection	Not required.
· Body protection:	Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Colour:	Grey
· Smell:	Odourless
· Melting point/freezing point:	Not determined
· Boiling point or initial boiling point and boiling range	2230 °C (CAS: 14808-60-7 Quartz (SiO ₂))
· Flash point:	Not applicable

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· pH at 20 °C	11
· Viscosity:	
· Kinematic viscosity	Not applicable.
· dynamic:	Not applicable.
· Solubility	
· Water:	Slightly soluble
· Steam pressure at 1732 °C:	13.5 hPa (CAS: 14808-60-7 Quartz (SiO ₂))
· Density and/or relative density	
· Density at 20 °C	2.77 g/cm ³

· 9.2 Other information	
· Appearance:	
· Form:	Powder
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity	No further relevant information available.
· 10.2 Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· 10.3 Possibility of hazardous reactions	No dangerous reactions known
· 10.4 Conditions to avoid	No further relevant information available.

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- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

CAS: 65997-15-1 Portland cement

Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	5 mg/l (rat)

CAS: 1317-65-3 Calcium carbonate

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

CAS: 1305-78-8 calcium oxide

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2500 mg/kg (rabbit)

CAS: 13463-67-7 Titanium Dioxide

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.8 mg/l (rat)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

11.2 Information on other hazards

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

- **Aquatic toxicity:**

CAS: 1317-65-3 Calcium carbonate

EC50/72h	>14 mg/l (Desmodesmus subspicatus)
LC50/96h	>10000 mg/l (Oncorhynchus mykiss)

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LC50/48h >1000 mg/l (Daphnia magna)

EC50/48h >1000 mg/l (Daphnia magna)

CAS: 1305-78-8 calcium oxide

EC50/72h 184.57 mg/l (algae)

LC50/96h 50.6 mg/l (Fis)

158 mg/l (Mew)

EC50/48h 49.1 mg/l (Freshwater)

NOEC 32 mg/l (Mew)

48 mg/l (algae)

· **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.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:**

Not applicable.

· **vPvB:**

Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:**

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

SECTION 14: Transport information

· **14.1 UN number or ID number**

· **ADR, ADN, IMDG, IATA**

Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA**

Void

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- | | |
|---|-----------------|
| · 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 Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** No further relevant information available.
- **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

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.

- **Relevant phrases**
- H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H351 Suspected of causing cancer.

· **Department issuing data specification sheet:**

Environment protection department.

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- **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
 ADR: Accord relatif au transport international 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
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (UK REACH)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Carc. 2: Carcinogenicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

- *** Data compared to the previous version altered.**