



BE SURE. BUILD SURE.

Page 1/9

Safety data sheet according to UK REACH

Printing date 10.12.2024

Version number 58 (replaces version 57)

Revision: 06.12.2024

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

1.1 Product identifier

Trade name **Nafufill KM 250**

Article number: 47

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

Concrete surfacer
Ready-mixed mortar

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

(Contd. on page 2)

GB

Safety data sheet according to UK REACH

Printing date 10.12.2024

Version number 58 (replaces version 57)

Revision: 06.12.2024

Trade name Nafufill KM 250

(Contd. of page 1)

- **Hazard-determining components of labelling:** Portland cement
Burnt oil shale
Fly ash Portland cement
- **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: 93685-99-5 Reg.nr.: 01-2119703178-42-0000	Burnt oil shale STOT RE 2, H373; Eye Dam. 1, H318; STOT SE 3, H335	≥3-≤10%
CAS: 68475-76-3	Fly ash Portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥1-≤1.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

GB

(Contd. on page 3)



BE SURE. BUILD SURE.

Page 3/9

Safety data sheet according to UK REACH

Printing date 10.12.2024

Version number 58 (replaces version 57)

Revision: 06.12.2024

Trade name Nafufill KM 250

(Contd. of page 2)

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- **General information** For all first aid measures: observe self-protection and consult a doctor!
- **After inhalation** Remove people from the dusty area.
- **After skin contact** Remove heavily soiled clothing. Clean with plenty of soap and water.
- **After eye contact** Rinse for 10 minutes under running water with the eyelids open. Always consult an ophthalmologist!
- **After swallowing** Do NOT induce vomiting. Rinse mouth with water. Medical attention required.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
- **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:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- **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**

Avoid dust formation! Avoid spraying the ready-to-use cementitious product! Avoid contact with eyes and skin! Clean hands thoroughly at the end of work and before every break! Use skin care products! Change heavily soiled clothing! Change clothes at the end of work! Apply greasy skin protection ointment before starting work and after each break. Observe work restrictions!

(Contd. on page 4)

GB

Safety data sheet according to UK REACH

Printing date 10.12.2024

Version number 58 (replaces version 57)

Revision: 06.12.2024

Trade name Nafufill KM 250

(Contd. of page 3)

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Store bags tightly closed; protect from moisture and water!
Store containers tightly closed in a well-ventilated and well-lit room.
Access only for specialised personnel.
Do not store in break rooms, recreation rooms or sanitary facilities or in stairwells, corridors, escape and rescue routes, passages, passageways and confined spaces.

Information about storage in one common storage facility:

Combined storage bans apply from a total storage quantity of 200 kg.
Do not store together with substances of the following LGK: 1; 6.2; 7
Storage with substances of the following LGK is only possible under the conditions specified in TRGS 510: 4.1A; 5.1C

Further information about storage conditions:

Store in a dry and frost-free place.

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} mg/m³
*inhalable dust **respirable dust

DNELs

CAS: 65997-15-1 Portland cement

Inhalative DNEL 1 mg/m³ (ArL)

CAS: 93685-99-5 Burnt oil shale

Inhalative DNEL 0.233 mg/m³ (ArL)

PNECs

CAS: 93685-99-5 Burnt oil shale

PNEC 100 mg/l (BEL)
0.002 mg/l (Mew)
0.02 mg/l (Freshwater)

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

Do not store food, eat, drink, sniff or smoke in the work area!
Avoid contact with eyes and skin!

(Contd. on page 5)

Safety data sheet according to UK REACH

Printing date 10.12.2024

Version number 58 (replaces version 57)

Revision: 06.12.2024

Trade name Nafufill KM 250

- **Breathing equipment:**
- **Hand protection**
- **Material of gloves**
- **Penetration time of glove material**
- **Eye/face protection**
- **Body protection:**
- **Skin protection**

(Contd. of page 4)

Clean hands thoroughly at the end of work and before breaks!
 Use skin care products after work (moisturising cream).
 Change and clean heavily soiled clothing!
 Change clothes at the end of work!
 Apply greasy skin protection ointment before starting work and after every break.
 For work with higher dust loads particle filter class P2
 Check protective gloves prior to each use for their proper condition.
 Nitrile impregnated cotton gloves.

The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.

Safety glasses
 Protective work clothing.
 Use greasy skin protection ointment for all uncovered parts of the body!

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 (SiO₂))
 - **Flash point:** Not applicable
 - **pH at 20 °C** 11
 - **Viscosity:**
 - **Kinematic viscosity** Not applicable.
 - **dynamic:** Not applicable.
 - **Solubility**
 - **Water:** Soluble
 - **Steam pressure at 1732 °C:** 13.5 hPa (CAS: 14808-60-7 Quartz (SiO₂))
 - **Density and/or relative density**
 - **Density at 20 °C** 2.7 g/cm³
- **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

(Contd. on page 6)

Safety data sheet according to UK REACH

Printing date 10.12.2024

Version number 58 (replaces version 57)

Revision: 06.12.2024

Trade name Nafufill KM 250

(Contd. of page 5)

· 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.
- **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: 93685-99-5 Burnt oil shale

Oral	LD50	>2000 mg/kg (rat)
Inhalative	LOAEL	0.000699 mg/l (ArL)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.

(Contd. on page 7)

Safety data sheet according to UK REACH

Printing date 10.12.2024

Version number 58 (replaces version 57)

Revision: 06.12.2024

Trade name Nafufill KM 250

(Contd. of page 6)

- **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**

CAS: 128-37-0 2,6-Di-tert-butyl-p-cresol

List II

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

CAS: 93685-99-5 Burnt oil shale

EC50/72h	82.7 mg/l (Selenastrum capricornutum)
LC50/96h	>100 mg/l (fish)
EC50/48h	>100 mg/l (Daphnia magna)
NOEC	>100 mg/l (fish)

· **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**

For information on endocrine disrupting properties see section 11.

· **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:**

Non contaminated packagings can be used for recycling.

GB

(Contd. on page 8)

Safety data sheet according to UK REACH

Printing date 10.12.2024

Version number 58 (replaces version 57)

Revision: 06.12.2024

Trade name Nafufill KM 250

(Contd. of page 7)

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
· 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**

CAS: 1310-58-3 potassium hydroxide

17% of total caustic alkalinity

· 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.

(Contd. on page 9)



BE SURE. BUILD SURE.

Page 9/9

Safety data sheet according to UK REACH

Printing date 10.12.2024

Version number 58 (replaces version 57)

Revision: 06.12.2024

Trade name Nafufill KM 250

(Contd. of page 8)

· **Relevant phrases**

H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

· **Department issuing data specification sheet:**

Environment protection department.

· **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
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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

GB