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according to UK REACH

Printing date 30.08.2025 Version number 36 (replaces version 35) Revision: 30.08.2025

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

· **1.1 Product identifier**

· **Trade name** **Emcefix Spachtel F lang**

· **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** Repair 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

· **Hazard-determining components of labelling:**
Portland cement (low chromate)
Calcium oxide
Flue dust, portland cement

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· **Hazard statements** H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

· **Precautionary statements**

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
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.

· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture consisting of the following components.
(sand)

· **Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Portland cement (low chromate) Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥20-≤30%
CAS: 1317-65-3 EINECS: 207-439-9	CALCIUM CARBONATE substance with a Community workplace exposure limit	<5%
CAS: 1305-78-8 EINECS: 215-138-9	Calcium oxide Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥3-<5%
CAS: 68475-76-3 EINECS: 270-659-9	Flue dust, portland cement Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335	≥1-<1.5%
CAS: 554-13-2 EINECS: 209-062-5 Reg.nr.: 01-2119516034-53-0000	Lithium carbonate Acute Tox. 4, H302; Eye Irrit. 2, H319	<0.5%

· **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**
· **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!

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· **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 (low chromate)	
WEL	Long-term value: 10* 4** mg/m³ *inhalable dust **respirable dust
CAS: 1317-65-3 CALCIUM CARBONATE	
WEL	Long-term value: 10* 4** mg/m³ *inhalable dust; **respirable
CAS: 1305-78-8 Calcium oxide	
WEL	Short-term value: 4* mg/m³ Long-term value: 2 1* mg/m³ *respirable fraction

· **DNELs**		
CAS: 65997-15-1 Portland cement (low chromate)		
Inhalative	DNEL	1 mg/m³ (ArL)
CAS: 1317-65-3 CALCIUM CARBONATE		
Oral	DNEL	6.1 mg/kg bw/Tag (ArL)
Inhalative	DNEL	10 mg/m³ (ArL)
CAS: 1305-78-8 Calcium oxide		
Inhalative	DNEL	1 mg/m³ (ArL)

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· **PNECs**	
CAS: 1317-65-3 CALCIUM CARBONATE	
PNEC	100 mg/l (Sewage Treatment Plant)
CAS: 1305-78-8 Calcium oxide	
PNEC	2.27 mg/l (BEL) 0.24 mg/l (Mew) 0.37 mg/l (Freshwater)
PNEC	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** Do not store food, eat, drink, sniff or smoke in the work area!
Avoid contact with eyes and skin!
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.
· **Breathing equipment:** For work with higher dust loads particle filter class P2
· **Hand protection** Check protective gloves prior to each use for their proper condition.
· **Material of gloves** Nitrile impregnated cotton gloves.
· **Penetration time of glove material** The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.
· **Eye/face protection** Safety glasses
· **Body protection:** Protective work clothing.
· **Skin protection** 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:**	According to product specification
· **Smell:**	Odourless
· **Melting point/freezing point:**	Not determined
· **Boiling point or initial boiling point and boiling range**	2230 °C (CAS: 14808-60-7 Quartz sand)
· **Flash point:**	Not applicable
· **pH at 20 °C**	11

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· **Viscosity:**	
· **Kinematic viscosity**	Not applicable.
· **dynamic:**	Not applicable.
· **Solubility**	
· **Water:**	Unsoluble
· **Steam pressure at 1732 °C:**	13.5 hPa (CAS: 14808-60-7 Quartz sand)
· **Density and/or relative density**	
· **Density at 20 °C**	2.8 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
· **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.

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· **10.6 Hazardous decomposition products:** No dangerous decomposition products known

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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 (low chromate)		
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: 554-13-2 Lithium carbonate		
Oral	LD50	525 mg/kg (rat)
	NOAEL	19.23 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rat)
	NOAEL	64.3 mg/kg (rat)
Inhalative	LC50/4 h	>2 mg/l (rat)

· **Primary irritant effect:**
· **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**		
CAS: 554-13-2	Lithium carbonate	List III

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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)
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)
CAS: 554-13-2 Lithium carbonate	
LC50/96h	30.3 mg/l (Oncorhynchus mykiss)
EC50	278 mg/l (BEL)
EC50/48h	33 mg/l (Daphnia magna)
NOEC	15.25 mg/l (Danio rerio)
	50 mg/l (Desmodesmus subspicatus)
	19.1 mg/l (Oncorhynchus mykiss)
	20 mg/l (Daphnia magna)
ErC50/72h	>400 mg/l (Desmodesmus subspicatus)

· **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.

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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.

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.

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· **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**
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

· **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
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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