

Safety data sheet
according to 1907/2006/EC, Article 31



Printing date 18.11.2015

Version: 5 (GB)

Revision: 18.11.2015

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

1.1 Product identifierTrade name: **Fliessestrich FE 50 Largo****1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the preparation: Flag floor finish/ Fluidised floor**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Knauf Gips KG

Postfach 10

97343 Iphofen

Germany

Tel +49 (0)9323/31-0

Fax +49 (0)9323/31-277

Further information obtainable from:

Technical information service

Tel +49 (0)9001/31-1000 (see point 16)

E-mail Knauf-Direkt@Knauf.de

1.4 Emergency telephone number:

Hotline for symptoms of poisoning and embryonic toxicology, Berlin

Tel +49 (0)30-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008**

GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS05

Signal word Danger**Hazard-determining components of labelling:**

Cement, portland, chemicals

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Trade name: Fliessestrich FE 50 Largo**Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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 or doctor/physician.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:



When properly stored dry, low in chromate for at least 6 months from date of manufacture.

2.3 Other hazards

The mixture produces an alkaline reaction when exposed to moisture. Please take this into consideration when processing the material and avoid extended contact with the skin or make sure to wear gloves.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.* **SECTION 3: Composition/information on ingredients****Chemical characterisation: Mixtures****Description:** Different hydrate levels of calcium sulfate with mineral fillers and superplasticizers.**Dangerous components:**

CAS: 65997-15-1 Cement, portland, chemicals ≤ 3%

EINECS: 266-043-4  Eye Dam. 1, H318;  Skin Irrit. 2, H315; STOT SE 3, H335**Further components:**

CAS: 7778-18-9 calcium sulfate

EINECS: 231-900-3

Reg.nr.: 01-2119444918-26-XXXX

Additional information: For the wording of the listed risk phrases refer to section 16.**Remark:**

The hazard declaration "irritant" does not apply to dry powder but only to the admittance of moisture or water (alkaline reaction).

Low in chromate according to EU-Regulation 1907/2006 (REACH).

Materials with a threshold value for exposure in the workplace – see point 8.

* **SECTION 4: First aid measures****4.1 Description of first aid measures****General information:** Change any soiled or impregnated clothing.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation occurs: Get medical advice/attention. (P332+313)

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

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Trade name: Fliessestrich FE 50 Largo**After swallowing:**

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

After eye contact: Causes serious eye damage.

Irritating to skin.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

* **SECTION 5: Firefighting measures**

5.1 Extinguishing media**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.**For safety reasons unsuitable extinguishing agents:** None.**5.2 Special hazards arising from the substance or mixture** None.**5.3 Advice for firefighters****Protective equipment:** Wear self-contained respiratory protective device.**Additional information** The product is not flammable.

* **SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Avoid formation of dust.

Do not inhale dust.

6.2 Environmental precautions: Do not allow to enter sewers / surface or ground water.**6.3 Methods and material for containment and cleaning up:**

Pick up (dry) mechanically.

Avoid formation of dust.

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 disposal information.

* **SECTION 7: Handling and storage**

7.1 Precautions for safe handling

Avoid contact with the eyes and skin.

Prevent formation of dust.

Do not inhale dust.

Wash thoroughly after handling. (P264)

Take off contaminated clothing and wash before reuse. (P362)

Information about fire - and explosion protection: No special measures required.**7.2 Conditions for safe storage, including any incompatibilities****Requirements to be met by storerooms and receptacles:** No special requirements.**Information about storage in one common storage facility:** Do not store together with acids.**Further information about storage conditions:**

Keep container tightly sealed.

Store in dry conditions.

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7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters**Ingredients with limit values that require monitoring at the workplace:****CAS: 65997-15-1 Cement, portland, chemicals ($\leq 3\%$)**WEL Long-term value: $10^* 4^{**}$ mg/m³

*inhalable dust **respirable dust

Remark A = alveolar fraction, E = inhalable fraction

Additional information: The lists valid during the making were used as basis.**8.2 Exposure controls****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Wear dust mask FFP2 if dust forms.**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves Cotton gloves impregnated with nitrile.**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Eye glasses with side protection.

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Powder
Colour:	Beige, grey
Odour:	Odourless
Odour threshold:	Not determined.
pH-value (100 g/l) at 20 °C:	ca. 11.5

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Trade name: Fliessestrich FE 50 Largo**Change in condition****Melting point/Melting range:** Not applicable.**Boiling point/Boiling range:** Not applicable.**Flash point:** Not applicable.**Flammability (solid, gaseous):** Not applicable.**Ignition temperature:** Not applicable.**Decomposition temperature:** Not determined.**Self-igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Vapour pressure:** Not applicable.**Density at 20 °C:** ca. 2 g/cm³**Relative density** Not determined.**Vapour density** Not applicable.**Evaporation rate** Not applicable.**Solubility in / Miscibility with water:** c. 2-7 g/l at 20 °C**Partition coefficient (n-octanol/water):** Not applicable.**Viscosity:****Dynamic:** Not applicable.**Kinematic:** Not applicable.**9.2 Other information** Thermal decomposition of gypsum
in CaSO₄ and H₂O from 140 °C
in CaO and SO₃ from 1000 °C

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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 and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid** Avoid damp conditions.**10.5 Incompatible materials:**

Acids.

Oxidation agents

10.6 Hazardous decomposition products: No dangerous decomposition products known.

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SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Primary irritant effect:****Skin corrosion/irritation** Irritating effect.**Serious eye damage/irritation** Irritating effect.**Respiratory or skin sensitisation** No sensitising effects known.

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Trade name: Fliessestrich FE 50 Largo**Additional toxicological information:**

Dusts could cause irritation to the upper respiratory system.
Sustained and repeated inhalation of the dust could cause damage to the respiratory system.
Ingestion of larger quantities can cause irritation to the digestive tract.
Serious skin damage could be the result of this product being in contact with the skin for prolonged periods when the skin is moist.

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SECTION 12: Ecological information**12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**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.**Additional ecological information:****General notes:** Do not allow product to reach ground water, water course or sewage system.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**SECTION 13: Disposal considerations****13 Waste treatment methods****Recommendation** Disposal must be made according to official regulations.**European waste catalogue**

17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01

17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

Uncleaned packaging:**Recommendation:**

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

SECTION 14: Transport information**14.1 UN-Number****ADR, IMDG, IATA** Void**14.2 UN proper shipping name****ADR, IMDG, IATA** Void**14.3 Transport hazard class(es)****ADR, IMDG, IATA****Class** Void**14.4 Packing group****ADR, IMDG, IATA** Void**14.5 Environmental hazards:** Not applicable.**14.6 Special precautions for user** Not applicable.

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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
UN "Model Regulation": -

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Waterhazard class:**

Water hazard class 1 (VwVwS Germany 27.07.2005, Anhang 4): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this 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.

Department issuing MSDS: Knauf Gips KG, Abteilung Nachhaltigkeit und REACH, 97343 Iphofen**Contact:**

Technical information service (see point 1)

A call to Knauf Direkt will be charged at 0.39 € per minute. Callers, the telephone numbers of whom are not saved in the Knauf Gips KG address database, e.g. private property owners or non-customers, will pay 1.69 € per minute from the German network. Callers using mobile telephones will be charged according to the network provider and tariff.

Abbreviations and acronyms:

ADR: Accord européen sur le transport 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)

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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