

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



Printing date 11.04.2012

Version: 2 (GB)

Revision: 11.04.2012

**1 Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name: Lustro für Kratzputz****1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the preparation:** Mortar, adhesive, screed, concrete.**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Knauf Gips KG

Postfach 10

97343 Iphofen

Deutschland

Tel +49 (0)9323/31 - 0

Fax +49 (0)9323/31 - 277

**Further information obtainable from:**

Technical information service

Tel +49 (0)9001/31-2000 (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

**2 Hazards identification****2.1 Classification of the substance or mixture****Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R37/38-41: Irritating to respiratory system and skin. Risk of serious damage to eyes.

**Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

**2.2 Label elements****Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

**Code letter and hazard designation of product:**

Xi Irritant

**Hazard-determining components of labelling:**

Cement, portland, chemicals

calcium dihydroxide

**Risk phrases:**

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

**Safety phrases:**

2 Keep out of the reach of children.

22 Do not breathe dust.

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37/39 Wear suitable gloves and eye/face protection.

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46 If swallowed, seek medical advice immediately and show this container or label.

**2.3 Other hazards**

The preparation 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.

**3 Composition/information on ingredients**

**Chemical characterization: Mixtures**

**Description:** Dry mortar made from mineral binding agents and additives.

**Dangerous components:**

CAS: 65997-15-1 EINECS: 266-043-4	Cement, portland, chemicals  Xi R37/38-41  Eye Dam. 1, H318;  Skin Irrit. 2, H315; STOT SE 3, H335	5-50%
CAS: 1305-62-0 EINECS: 215-137-3 Reg.nr.: 01-2119475151-45-XXXX	calcium dihydroxide  Xi R37/38-41  Eye Dam. 1, H318;  Skin Irrit. 2, H315; STOT SE 3, H335	5-50%

**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).

The preparation is low in chromate in accordance with EU-Guideline 2003/53/EC.

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

**4 First aid measures**

**4.1 Description of first aid measures**

**General information:** Change any soiled or impregnated clothing.

**After inhalation:**

Supply fresh air.

Seek medical treatment in case of complaints.

**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact:**

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

**After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

Risk of serious damage to eyes.

Irritating to respiratory system and skin.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Firefighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

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**Trade name: Lustro für Kratzputz****For safety reasons unsuitable extinguishing agents:**

Do not use water to extinguish surrounding fires because the calcium oxide that forms may react to the water as heat develops.

**5.2 Special hazards arising from the substance or mixture**

The calcium hydroxide breaks down into calcium oxide and water if heated to over 580°C.

**5.3 Advice for firefighters**

**Protective equipment:** No special measures required.

**Additional information** The product is not flammable.

**6 Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Ensure adequate ventilation

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:**

Avoid formation of dust.

Pick up (dry) 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 disposal information.

**7 Handling and storage****7.1 Precautions for safe handling**

Avoid contact with the eyes and skin.

Prevent formation of dust.

Ensure good ventilation/exhaustion at the workplace.

**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:**

Unsuitable material for receptacle: aluminium.

**Information about storage in one common storage facility:** Do not store together with acids.

**Further information about storage conditions:**

Store in dry conditions.

Keep container tightly sealed.

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

**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:**

Germany: General dust threshold value 3 mg/m<sup>3</sup> (A), 10 mg/m<sup>3</sup> (E).

**CAS: 65997-15-1 Cement, portland, chemicals (5-50%)**

WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>

\*inhalable dust \*\*respirable dust

**CAS: 1305-62-0 calcium dihydroxide (5-50%)**

WEL Long-term value: 5 mg/m<sup>3</sup>

**Remark** A = alveolar fraction, E = inhalable fraction

**Additional information:** The lists valid during the making were used as basis.

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**Trade name: Lustro für Kratzputz****8.2 Exposure controls****General protective and hygienic measures:**

Avoid contact with the eyes and skin.

Use skin protection cream for skin protection.

Wash hands before breaks and at the end of work.

**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

After use of gloves apply skin-cleaning agents and skin cosmetics.

**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:** Wear safety goggles with side protection if dust develops.**Body protection:** Protective work clothing

* <b>9 Physical and chemical properties</b>
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**9.1 Information on basic physical and chemical properties****General Information****Appearance:****Form:**

Powder

**Colour:**

White, grey, or colored.

**Odour:**

Light earthy odor.

**Odour threshold:**

Not determined.

**pH-value:**

11-13 (saturated solution) at 25°C

**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:**580°C (break down into CaO and H<sub>2</sub>O)**Self-igniting:**

Product is not selfigniting.

**Danger of explosion:**

Product does not present an explosion hazard.

**Vapour pressure:**

Not applicable.

**Density:**

Not determined.

**Bulk density:**600-1500 kg/m<sup>3</sup>**Relative density**

Not determined.

**Vapour density**

Not applicable.

**Evaporation rate**

Not applicable.

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**Trade name: Lustro für Kratzputz****Solubility in / Miscibility with water:**for Ca(OH)<sub>2</sub> 1.650 mg/l at 20°C**Segregation coefficient (n-octanol/water):** Not determined.**Viscosity:****Dynamic:**

Not applicable.

**Kinematic:**

Not applicable.

**9.2 Other information**

No further relevant information available.

**10 Stability and reactivity****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

Avoid damp conditions.

No decomposition if used and stored 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:**

Cement and/or calcium hydroxide react with aluminum and brass when water is added through the formation of hydrogen.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**11 Toxicological information****11.1 Information on toxicological effects****Acute toxicity:****Primary irritant effect:****on the skin:** Irritant to skin and mucous membranes.**on the eye:** Strong irritant with the danger of severe eye injury.**Sensitization:** No sensitizing effects known.**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.

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

**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:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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

**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.

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vPvB: Not applicable.

**12.6 Other adverse effects** No further relevant information available.**13 Disposal considerations****13.1 Waste treatment methods****Recommendation** Disposal must be made according to official regulations.**European waste catalogue**

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.

**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

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**15 Regulatory information****15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**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.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

**GISCODE:** ZP 1**Department issuing MSDS:** Knauf Gips KG, Abteilung Umwelt und Sicherheit, 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.

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