

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Catalogue No.: 11000200

Product name: **CALXYL[®] radiopaque**

Manufacturer/supplier identification

Company: OCO Präparate GmbH * D - 67246 Dirmstein * Tel.: ++49 (0)6238/926810

Contact for information: Production * Tel.: 06238/9268111 Fax 06238/9268112

Emergency tel. No.: ++49 (0)6238/9268144

2. Composition / information on ingredients

Slaked lime

Synonyms

LIME, slaked

CAS-No.: 1305-62-0 7727-43-7

Molar mass: 74,10 233,40

Molecular formula: Ca (OH)₂ BaSO₄

EINECS-No.: 215-137-3 231-784-4

3. Hazards identification

Risk of serious damage to eyes.

4. First aid measures

After inhalation: fresh air

After skin contact: wash off with plenty of water, remove contaminated clothing

After eye contact: rinse out with plenty of water with the eyelid held wide open, Summon eye specialist

After swallowing: immediately make victim drink of water (if necessary several litres), Summon doctor

5. Fire-fighting measures

Suitable extinguishing media:

In adaption to materials stored in the immediate neighbourhood.

Special risks: None

Other information: Non-combustible

Prevent fire-fighting water from entering surface water or ground water.

6. Accidental release measures

Personal-related precautionary measures:

Avoid generation of dusts; do not inhale dusts. Avoid substance contact.

Procedures for cleaning / absorption:

Take up dry. Forward for disposal. Clean up affected area.

Safety data sheet

OCO PRÄPARATE® GMBH

According to EC Directive 91/155/EEC

Catalogue No.: 11000200
Product name: CALXYL® radiopaque

7. Handling and storage

Handling: No further requirements.

Storage: Tightly closed; Dry; Storage temperature: no restrictions

Requirements for storage rooms and containers Do not use light-weight-metal containers.

8. Exposure controls / personal protection

Personal protective equipment:

Respiratory protection: required when dusts are generated

Eye protection: required

Hand protection: required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled.

The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene: Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands and face after working with substance.

9. Physical and chemical properties

Form: solid
Colour: white
Odour: odourless

pH value: (20° C) > 12.6 (saturated solution)

Melting temperature: not available
Boiling temperature: not available

Ignition temperature: not available
Flash point: not available

Explosion limits: lower not available
upper not available

Relative vapour density: not available

Density: (20° C) 2.24 g/cm³
Bulk density: - 400 kg/m³

Solubility in water: (20 C) 1.7 g/l

Thermal decomposition: 550 - 600° C

Safety data sheet

OCO PRÄPARATE® GMBH

According to EC Directive 91/155/EEC

Catalogue No.: 11000200
Product name: CALXYL® radiopaque

10. Stability and reactivity

Conditions to be avoided: Not information available

Substances to be avoided: Acids, hydrogen sulfide, light metals

Hazardous decomposition products: No information available

Further information: Sensitive to moisture

11. Toxicological information

Acute toxicity: LD₅₀ (oral, rat): 7340 mg/kg

Further toxicological information:

After inhalation of dust: Possible damages: mucosal irritations

After skin contact: In case of perspiration/moisture corrosive

After eye contact: Severe irritations, risk of corneal clouding, risk of blindness!

After swallowing: Irritations of gastrointestinal tract

Further data: The product should be handled with the care usual when dealing with chemicals.

12. Ecological information

Behavior in environmental compartments:

Evaluation number (FRG) (fish): 3.7

Ecotoxic effects:

Biological effects: Toxic for aquatic organisms. Harmful effect due to pH shift. Neutralization possible in waste water treatment plants.

Fish toxicity: Salmo EC₀: < 92 mg/l; Gambusia affinis LC₅₀: 160 mg/l 96 h; aquatic organisms LC₅₀: 10 - 1000 mg/l 96 h

Further ecologic data: No ecological problems are to be expected when the product is handled and used with due care and attention.

13. Disposal considerations

Product:

There are no harmonised regulations on the disposal of chemicals in the member states of the EU. In Germany, the Recycling and Waste Management Act (KrW-/AbfG) stipulates recycling as a requirement. This means that a distinction must be made between „wastes for recycling“ and „wastes for disposal“. Particular aspects - in the main concerning delivery - are also governed by the Laender. Please contact the competent body (authority or waste disposal company) where you will obtain information on recycling or disposal.

The contact person at **OCO PRÄPARATE® GMBH** is attainable through the tel. no. 06238 - 9268144 (within Germany. ++49 6238 9268144 (from Austria and Switzerland).

Safety data sheet

OCO PRÄPARATE® GMBH

According to EC Directive 91/155/EEC

Catalogue No.: 11000200
Product name: CALXYL® radiopaque

Packing:

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled. Contact at OCO PRÄPARATE GMBH: as stated under the product.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

Labelling according to EC Directives

| | | |
|------------|-------------|--|
| Symbol: | Xi | Irritant |
| R-phrases: | 41 | Risk of serious damage to eyes |
| S-phrases: | 22-24-26-39 | Do not breath dust. Avoid contact with skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection. |

German regulation:

| | |
|---|---|
| Water pollution class | 1 (slightly polluting substance) |
| Data sheet of the Chemical Professional Association | M004 Irritant substances/corrosive substances M040 Dealing with harmful substances |

Other national regulations:

| | |
|-------------------|---|
| Swis toxic class: | 4 |
|-------------------|---|

16. Other information

Reason for alternation

Change in the chapter on first aird measures. Addition in the chapter ecology.

Date of issue: 12.01.2011

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.