



Safety Data Sheet according to (EC) No 1907/2006 as amended

Page 1 of 15

Ceresit Thermo Universal

SDS No. : 530522
V002.0

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

1.1. Product identifier

Ceresit Thermo Universal

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use:

Special mortars

1.3. Details of the supplier of the safety data sheet

Henkel Bautechnik (Ukraine)

Vyshhorod, Novopromyslova St. 2

07302 Kyiv region

Ukraine

Phone: +380 (800) 308 405

SDSinfo.Adhesive@henkel.com

For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or www.henkel-adhesives.com.

1.4. Emergency telephone number

0-800-308-405 (24 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (CLP):

Skin irritation

Category 2

H315 Causes skin irritation.

Serious eye damage

Category 1

H318 Causes serious eye damage.

Specific target organ toxicity - single exposure

Category 3

H335 May cause respiratory irritation.

Target organ: respiratory tract irritation

2.2. Label elements

Label elements (CLP):

Hazard pictogram:



Contains

Портланд цемент, сниженное содержание хроматов

| | |
|---------------------------------|--|
| Signal word: | Danger |
| Hazard statement: | H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. |
| Precautionary statement: | P102 Keep out of reach of children. P280 Wear protective gloves/eye 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 water. P313 Get medical advice/attention. |

2.3. Other hazards

Chromate-reduced. Contains cement. Strongly alkaline reaction with moisture, so protect skin and eyes.

Following substances are present in a concentration \geq the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration \geq the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Declaration of the ingredients according to CLP (EC) No 1272/2008:

| Hazardous components CAS-No. EC Number REACH-Reg No. | Concentration | Classification | Specific Conc. Limits, M-factors and ATEs | Add. Information |
|---|---------------|--|---|------------------|
| Кварц (SiO ₂) 14808-60-7 238-878-4 | 60- 80 % | | | |
| Портланд цемент, химикаты 65997-15-1 266-043-4 | 20- 40 % | Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335 | Skin Irrit. 2; H315; C > 1 % ED 1; H318; C > 1 % | |
| гидроксид кальция 1305-62-0 215-137-3 01-2119475151-45 | 1- < 3 % | Skin Irrit. 2, Dermal, H315 Eye Dam. 1, H318 STOT SE 3, Inhalation, H335 | | EU OEL |

For full text of the H - statements and other abbreviations see section 16 "Other information".
Substances without classification may have community workplace exposure limits available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Remove person from dust-contaminated zone, seek medical advice if necessary.

Skin contact:

Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.
Do not rub eyes; mechanical action may cause corneal damage.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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

RESPIRATORY: Irritation, coughing, shortness of breath, chest tightness.

SKIN: Redness, inflammation.

After eye contact: Corrosive, may cause permanent damage to eyes (impairment of vision).

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

See section: Description of first aid measures

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media:**

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

5.2. Special hazards arising from the substance or mixture

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

5.3. Advice for firefighters

Wear self-contained breathing apparatus.

Wear protective equipment.

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

Wear protective equipment.
Avoid contact with skin and eyes.
Ensure adequate ventilation.
Avoid dust formation.

6.2. Environmental precautions

Do not empty into drains / surface water / ground water.
Inform authorities in the event of product spillage to water courses or sewage systems.

6.3. Methods and material for containment and cleaning up

Dispose of contaminated material as waste according to Section 13.
Remove mechanically.

6.4. Reference to other sections

See advice in section 8

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid dust formation.
Ensure that workrooms are adequately ventilated.
Avoid skin and eye contact.

Hygiene measures:

- Wash hands before work breaks and after finishing work.
- Do not eat, drink or smoke while working.

7.2. Conditions for safe storage, including any incompatibilities

- Store in a dry place.
- Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

7.3. Specific end use(s)

- Special mortars

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Valid for
Ukraine

| Ingredient [Regulated substance] | ppm | mg/m ³ | Value type | Short term exposure limit category / Remarks | Regulatory list |
|---|-----|-------------------|-----------------------------------|--|-----------------|
| Quartz (SiO ₂) 14808-60-7 [RESPIRABLE CRYSTALLINE SILICA DUST] | | 0,1 | Time Weighted Average (TWA): | | EU OELIII |
| Quartz (SiO ₂) 14808-60-7 [Silicon dioxide is crystalline with a dust content of 10 to 70% (granite, fireclay, raw mica, coal dust, etc.)] | | 2 | Time Weighted Average (TWA): | | UA OELA |
| Quartz (SiO ₂) 14808-60-7 [Crystalline silicon dioxide (quartz, cristobolite, tridymite) with a dust content of more than 70% (quartzite, dinas, etc.)] | | 1 | Time Weighted Average (TWA): | | UA OELA |
| Quartz (SiO ₂) 14808-60-7 [Silicon dioxide is crystalline with a dust content of 2 to 10% (combustible kukersite shales, copper sulfide ores, etc.)] | | 4 | Time Weighted Average (TWA): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Silicate-containing dust, silicates, aluminosilicates: asbestos cement Silicate-containing dust, silicates, aluminosilicates: asbestos groceries, asbestos rubber] | | 4 | Short Term Exposure Limit (STEL): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Carbon dusts: natural and synthetic diamonds] | | 8 | Time Weighted Average (TWA): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Carbon dusts: carbon fiber materials based on cellulose hydrate fibers Carbon dusts: carbon fiber materials based on polyacrylonitrile fibers] | | 4 | Time Weighted Average (TWA): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Carbon dusts: coke from coal, pitch, oil, shale Silicate-containing dust, silicates, aluminosilicates: asbestos cement Carbon dusts: anthracite containing up to 5% free SiO ₂ Silicate-containing dust, silicates, aluminosilicates: concrete, olivine, apatite, fosterite, clay, kaolin fireclay] | | 6 | Time Weighted Average (TWA): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Carbon dusts: other mined coals and coal dusts containing up to 5% free SiO ₂ Silicate-containing dust, silicates, aluminosilicates: asbestos groceries, asbestos rubber] | | 10 | Time Weighted Average (TWA): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Silicate-containing dust, silicates, aluminosilicates: asbestos dust with asbestos content from 10% to 20% Silicate-containing dust, silicates, aluminosilicates: natural asbestos (chrysotile, anthophyllite, actinolite, tremolite, magnesium)] | | 2 | Time Weighted Average (TWA): | | UA OELA |
| Cement, portland, chemicals | | 1 | Short Term Exposure | | UA OELA |

| | | | | | |
|---|--|-----|-----------------------------------|--|---------|
| 65997-15-1 [Silicate-containing dust, silicates, aluminosilicates: asbestos dust with asbestos content from 10% to 20%] | | | Limit (STEL): | | |
| Cement, portland, chemicals 65997-15-1 [Carbon dusts: other mined coals and coal dusts containing from 5 to 10% free SiO ₂ Carbon dusts: black industrial soot containing <35 mg benz(a)pyrene per kg Silicate-containing dust, silicates, aluminosilicates: vitreous silicates of volcanic origin (tuff, pumice, perlite) Silicate-containing dust, silicates, aluminosilicates: asbestos dust with asbestos content less than 10% Silicate-containing dust, silicates, aluminosilicates: mica (flagopit, muscovite), talc, talc dust (natural mixtures of talc with tr Carbon dust: metallized diamond] | | 4 | Time Weighted Average (TWA): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Carbon dusts: carbon fiber materials based on polyacrylonitrile fibers Carbon dusts: carbon fiber materials based on cellulose hydrate fibers] | | 2 | Short Term Exposure Limit (STEL): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Silicate-containing dust, silicates, aluminosilicates: natural asbestos (chrysotile, anthophyllite, actinolite, tremolite, magnesium)] | | 0,5 | Short Term Exposure Limit (STEL): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Silicate-containing dust, silicates, aluminosilicates: asbestos dust with asbestos content less than 10%] | | 2 | Short Term Exposure Limit (STEL): | | UA OELA |
| Cement, portland, chemicals 65997-15-1 [Carbon dusts: carbon fiber materials based on polyacrylonitrile fibers Carbon dusts: carbon fiber materials based on cellulose hydrate fibers] | | | Skin designation: | Chemical is dangerous when exposed to the skin and the mucous membrane of the eyes | UA OELA |
| Calcium carbonate 471-34-1 [Silicate-containing dust, silicates, aluminosilicates: asbestos dust with asbestos content from 10% to 20% Silicate-containing dust, silicates, aluminosilicates: natural asbestos (chrysotile, anthophyllite, actinolite, tremolite, magnesium)] | | 2 | Time Weighted Average (TWA): | | UA OELA |
| Calcium carbonate 471-34-1 [Silicate-containing dust, silicates, aluminosilicates: asbestos cement Silicate-containing dust, silicates, aluminosilicates: asbestos groceries, asbestos rubber] | | 4 | Short Term Exposure Limit (STEL): | | UA OELA |
| Calcium carbonate 471-34-1 [Silicate-containing dust, silicates, aluminosilicates: natural asbestos (chrysotile, anthophyllite, actinolite, tremolite, magnesium)] | | 0,5 | Short Term Exposure Limit (STEL): | | UA OELA |
| Calcium carbonate 471-34-1 [Carbon dusts: carbon fiber materials based on polyacrylonitrile fibers Carbon dusts: carbon fiber materials based on cellulose hydrate fibers] | | 2 | Short Term Exposure Limit (STEL): | | UA OELA |
| Calcium carbonate 471-34-1 [Carbon dusts: carbon fiber materials based on polyacrylonitrile fibers Carbon dusts: carbon fiber materials based on cellulose hydrate fibers] | | | Skin designation: | Chemical is dangerous when exposed to the skin and the mucous membrane of the eyes | UA OELA |
| Calcium carbonate | | 6 | Time Weighted Average | | UA OELA |

| | | | | | |
|---|--|----|-----------------------------------|--|---------|
| 471-34-1 [Carbon dusts: coke from coal, pitch, oil, shale Silicate-containing dust, silicates, aluminosilicates: asbestos cement Carbon dusts: anthracite containing up to 5% free SiO ₂ Silicate-containing dust, silicates, aluminosilicates: concrete, olivine, apatite, fosterite, clay, kaolin fireclay] | | | (TWA): | | |
| Calcium carbonate 471-34-1 [Carbon dusts: natural and synthetic diamonds] | | 8 | Time Weighted Average (TWA): | | UA OELA |
| Calcium carbonate 471-34-1 [Carbon dusts: other mined coals and coal dusts containing from 5 to 10% free SiO ₂ Carbon dusts: black industrial soot containing <35 mg benz(a)pyrene per kg Silicate-containing dust, silicates, aluminosilicates: vitreous silicates of volcanic origin (tuff, pumice, perlite) Silicate-containing dust, silicates, aluminosilicates: asbestos dust with asbestos content less than 10% Silicate-containing dust, silicates, aluminosilicates: mica (flagopit, muscovite), talc, talc dust (natural mixtures of talc with tr Carbon dust: metallized diamond] | | 4 | Time Weighted Average (TWA): | | UA OELA |
| Calcium carbonate 471-34-1 [Carbon dusts: other mined coals and coal dusts containing up to 5% free SiO ₂ Silicate-containing dust, silicates, aluminosilicates: asbestos groceries, asbestos rubber] | | 10 | Time Weighted Average (TWA): | | UA OELA |
| Calcium carbonate 471-34-1 [Silicate-containing dust, silicates, aluminosilicates: asbestos dust with asbestos content less than 10%] | | 2 | Short Term Exposure Limit (STEL): | | UA OELA |
| Calcium carbonate 471-34-1 [Silicate-containing dust, silicates, aluminosilicates: asbestos dust with asbestos content from 10% to 20%] | | 1 | Short Term Exposure Limit (STEL): | | UA OELA |
| Calcium carbonate 471-34-1 [Carbon dusts: carbon fiber materials based on cellulose hydrate fibers Carbon dusts: carbon fiber materials based on polyacrylonitrile fibers] | | 4 | Time Weighted Average (TWA): | | UA OELA |
| Calcium dihydroxide 1305-62-0 [CALCIUM DIHYDROXIDE (RESPIRABLE FRACTION)] | | 4 | Short Term Exposure Limit (STEL): | Indicative | ECLTV |
| Calcium dihydroxide 1305-62-0 [CALCIUM DIHYDROXIDE (RESPIRABLE FRACTION)] | | 1 | Time Weighted Average (TWA): | Indicative | ECLTV |
| Calcium dihydroxide 1305-62-0 [Calcium dihydroxide] | | 2 | Time Weighted Average (TWA): | | UA OELA |
| Calcium dihydroxide 1305-62-0 [Calcium dihydroxide] | | | Skin designation: | Chemical is dangerous when exposed to the skin and the mucous membrane of the eyes | UA OELA |

Predicted No-Effect Concentration (PNEC):

| Name on list | Environmental Compartment | Exposure period | Value | | | | Remarks |
|-------------------------------|------------------------------|-----------------|-----------|-----|------------|--------|---------|
| | | | mg/l | ppm | mg/kg | others | |
| Calcium dihydroxide 1305-62-0 | aqua (freshwater) | | 0,49 mg/l | | | | |
| Calcium dihydroxide 1305-62-0 | aqua (marine water) | | 0,32 mg/l | | | | |
| Calcium dihydroxide 1305-62-0 | aqua (intermittent releases) | | 0,49 mg/l | | | | |
| Calcium dihydroxide 1305-62-0 | sewage treatment plant (STP) | | 3 mg/l | | | | |
| Calcium dihydroxide 1305-62-0 | Soil | | | | 1080 mg/kg | | |

Derived No-Effect Level (DNEL):

| Name on list | Application Area | Route of Exposure | Health Effect | Exposure Time | Value | Remarks |
|-------------------------------|--------------------|-------------------|---|---------------|---------------------|---------|
| Calcium dihydroxide 1305-62-0 | Workers | Inhalation | Acute/short term exposure - local effects | | 4 mg/m ³ | |
| Calcium dihydroxide 1305-62-0 | Workers | Inhalation | Long term exposure - local effects | | 1 mg/m ³ | |
| Calcium dihydroxide 1305-62-0 | General population | Inhalation | Acute/short term exposure - local effects | | 4 mg/m ³ | |
| Calcium dihydroxide 1305-62-0 | General population | Inhalation | Long term exposure - local effects | | 1 mg/m ³ | |

Biological Exposure Indices:

None

8.2. Exposure controls:**Respiratory protection:**

In case of dust formation, we recommend wearing of appropriate respiratory protection equipment with particle filter P (EN 14387).

This recommendation should be matched to local conditions.

Hand protection:

In the case of longer contact protective gloves made from nitrile rubber are recommended according to EN 374. material thickness > 0.1 mm

Perforation time > 480 minutes

In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

Goggles which can be tightly sealed.

Protective eye equipment should conform to EN166.

Skin protection:

Dustproof working clothes.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|-------------------------------------|
| Delivery form | powder |
| Colour | grey |
| Odor | characteristic |
| Physical state | solid |
| Melting point | Currently under determination |
| Initial boiling point | Currently under determination |
| Flammability | Currently under determination |
| Explosive limits | Not applicable, Product is a solid. |
| Flash point | Not applicable, Product is a solid. |
| Auto-ignition temperature | Currently under determination |
| Decomposition temperature | Currently under determination |
| pH | Currently under determination |
| Viscosity (kinematic) | Not applicable, Product is a solid. |
| Solubility (qualitative) | Currently under determination |
| Partition coefficient: n-octanol/water | Currently under determination |
| Vapour pressure | Currently under determination |
| Density | Currently under determination |
| Relative vapour density: | Not applicable, Product is a solid. |
| Particle characteristics | Currently under determination |

9.2. Other information

Other information not applicable for this product

SECTION 10: Stability and reactivity

10.1. Reactivity

Reaction with acids: production of heat and carbon dioxide.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

See section reactivity

10.4. Conditions to avoid

None if used for intended purpose.

10.5. Incompatible materials

See section reactivity.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

General toxicological information:

The mixture is classified based on the available hazard information for the ingredients as defined in the classification criteria for mixtures for each hazard class or differentiation in Annex I to Regulation (EC) No 1272/2008. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

11.1. Information on toxicological effects

Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---|---------------|---------------|---------|--|
| Quartz (SiO ₂), <1% respirable 14808-60-7 | LD50 | > 5.050 mg/kg | rat | not specified |
| Calcium dihydroxide 1305-62-0 | LD50 | > 7.340 mg/kg | rat | OECD Guideline 401 (Acute Oral Toxicity) |

Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Species | Method |
|---|---------------|---------------|---------------|--|
| Quartz (SiO ₂), <1% respirable 14808-60-7 | LD50 | > 2.000 mg/kg | not specified | not specified |
| Cement, portland, chemicals 65997-15-1 | LD50 | > 2.000 mg/kg | rabbit | Limit Test |
| Calcium dihydroxide 1305-62-0 | LD50 | > 2.500 mg/kg | rat | OECD Guideline 402 (Acute Dermal Toxicity) |

Acute inhalative toxicity:

No data available.

Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|----------------------------------|------------|------------------|---------|--|
| Calcium dihydroxide 1305-62-0 | irritating | 4 h | rabbit | OECD Guideline 404 (Acute Dermal Irritation / Corrosion) |

Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Exposure time | Species | Method |
|--|---|------------------|---------|---|
| Cement, portland, chemicals 65997-15-1 | corrosive | | | expert judgment |
| Calcium dihydroxide 1305-62-0 | Category 1 (irreversible effects on the eye) | | rabbit | OECD Guideline 405 (Acute Eye Irritation / Corrosion) |

Respiratory or skin sensitization:

Chromate-reduced. Does not need to be labeled as causing skin sensitization.

No substance data available.

Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Result | Type of study / Route of administration | Metabolic activation / Exposure time | Species | Method |
|----------------------------------|----------|--|--|---------|---|
| Calcium dihydroxide 1305-62-0 | negative | bacterial reverse mutation assay (e.g Ames test) | with and without | | OECD Guideline 471 (Bacterial Reverse Mutation Assay) |

Carcinogenicity

No data available.

Reproductive toxicity:

No data available.

STOT-single exposure:

May cause respiratory irritation.

| Hazardous substances CAS-No. | Assessment | Route of exposure | Target Organs | Remarks |
|--|--|----------------------|---------------|---------|
| Cement, portland, chemicals 65997-15-1 | Category 3 with respiratory tract irritation. | | | |

STOT-repeated exposure:

No data available.

Aspiration hazard:

No data available.

SECTION 12: Ecological information

General ecological information:

Due to the practical insolubility in water a separation takes place with each filtration and sedimentation procedure.
Do not empty into drains, soil or bodies of water.

12.1. Toxicity

Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|---------------|---------------|--|---|
| Quartz (SiO ₂), <1% respirable 14808-60-7 | LC50 | > 1.000 mg/l | 96 h | not specified | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Cement, portland, chemicals 65997-15-1 | LC50 | > 10.000 mg/l | 96 h | Brachydanio rerio (new name: Danio rerio) | OECD Guideline 203 (Fish, Acute Toxicity Test) |
| Calcium dihydroxide 1305-62-0 | LC50 | 50,6 mg/l | 96 h | Oncorhynchus mykiss | OECD Guideline 203 (Fish, Acute Toxicity Test) |

Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|---------------|---------------|---------------|--|
| Quartz (SiO ₂), <1% respirable 14808-60-7 | EC50 | > 1.000 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Cement, portland, chemicals 65997-15-1 | EC50 | > 10.000 mg/l | 24 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |
| Calcium dihydroxide 1305-62-0 | EC50 | 49,1 mg/l | 48 h | Daphnia magna | OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) |

Chronic toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|----------------------------------|---------------|---------|---------------|-----------------------|--|
| Calcium dihydroxide 1305-62-0 | NOEC | 32 mg/l | 14 d | Crangon septemspinosa | OECD Guideline 202 (Daphnia sp. Chronic Immobilisation Test) |

Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|--------------|---------------|---|--|
| Quartz (SiO ₂), <1% respirable 14808-60-7 | EC50 | > 1.000 mg/l | 72 h | not specified | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Cement, portland, chemicals 65997-15-1 | NOEC | 60 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | ISO 8692 (Water Quality) |
| Cement, portland, chemicals 65997-15-1 | EC50 | 440 mg/l | 72 h | Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata) | ISO 8692 (Water Quality) |
| Calcium dihydroxide 1305-62-0 | EC50 | 184,57 mg/l | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |
| Calcium dihydroxide 1305-62-0 | NOEC | 48 mg/l | 72 h | Pseudokirchneriella subcapitata | OECD Guideline 201 (Alga, Growth Inhibition Test) |

Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

| Hazardous substances CAS-No. | Value type | Value | Exposure time | Species | Method |
|--|---------------|--------------|---------------|--|--|
| Quartz (SiO ₂), <1% respirable 14808-60-7 | EC0 | > 1.000 mg/l | 3 h | not specified | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |
| Cement, portland, chemicals 65997-15-1 | EC0 | 10.000 mg/l | 30 min | Pseudomonas putida | DIN 38412, part 27 (Bacterial oxygen consumption test) |
| Calcium dihydroxide 1305-62-0 | EC20 | 229,2 mg/l | 3 h | activated sludge of a predominantly domestic sewage | OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test) |

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

| Hazardous substances CAS-No. | PBT / vPvB |
|--|---|
| Quartz (SiO ₂), <1% respirable 14808-60-7 | According to Annex XIII to Regulation (EC) No 1907/2006, a PBT and vPvB assessment shall not be conducted for inorganic substances. |
| Cement, portland, chemicals 65997-15-1 | According to Annex XIII to Regulation (EC) No 1907/2006, a PBT and vPvB assessment shall not be conducted for inorganic substances. |
| Calcium dihydroxide 1305-62-0 | Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria. |

12.6. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Dispose of waste and residues in accordance with local authority requirements.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

Waste code

170106

SECTION 14: Transport information**14.1. UN number or ID number**

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.2. UN proper shipping name

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.3. Transport hazard class(es)

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.4. Packing group

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.5. Environmental hazards

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.6. Special precautions for user

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

No information available:

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**15.2. Chemical safety assessment**

A chemical safety assessment has not been carried out.

SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.

Further information:

This Safety Data Sheet has been produced for sales from Henkel to parties purchasing from Henkel, is based on Regulation (EC) No 1907/2006 and provides information in accordance with applicable regulations of the European Union only. In that respect, no statement, warranty or representation of any kind is given as to compliance with any statutory laws or regulations of any other jurisdiction or territory other than the European Union. When exporting to territories other than the European Union, please consult with the respective Safety Data Sheet of the concerned territory to ensure compliance or liaise with Henkel's Product Safety and Regulatory Affairs Department (SDSinfo.Adhesive@henkel.com) prior to export to other territories than the European Union.

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Dear Customer,

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Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.