**Safety Data Sheet**

Conforms to Regulation (EC) No. 1907/2006 (REACH), Article 31, Annex II, as amended by Commission Regulation (EU) 2020/878

**PROFLOW TRADE PART A**

Date of first edition: 15/10/2025

Safety Data Sheet dated 15/10/2025

version 1

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

### 1.1. Product identifier

Mixture identification:

Trade name: PROFLOW TRADE PART A

Trade code: KA0476

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

Recommended use: Cement based Self Levelling Compound

Uses advised against: All uses other than recommended ones

### 1.3. Details of the supplier of the safety data sheet

Company: Kerakoll UK Ltd

Tomlinson Road, Leyland, Lancashire, PR25 2DY,

United Kingdom

Tel. 01772 456831

safety@kerakoll.co.uk

### 1.4. Emergency telephone number

European emergency phone number 112

Ireland Emergency medical information: (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland.

Members of the public Number (8 am-10 pm): +353 (0)1 809 2166

Healthcare professional telephone Number (24hrs): +353 (0)1 809 2566

Malta In case of emergency call: +356 2395 2000 (24h)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Regulation (EC) n. 1272/2008 (CLP)**

| | |
|---|---|
| Eye Irrit. 2 | Causes serious eye irritation. |
| Skin Sens. 1B | May cause an allergic skin reaction. |

Adverse physicochemical, human health and environmental effects:

No other hazards

### 2.2. Label elements

**Regulation (EC) No 1272/2008 (CLP):**

**Hazard pictograms and Signal Word**

Warning

**Hazard statements**

| | |
|---|---|
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |

**Precautionary statements**

| | |
|---|---|
| P261 | Avoid breathing dust or mist. |
| P280 | Wear protective gloves and eye protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |

| | |
|---|---|
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P501 | Dispose of contents/container in accordance with applicable regulations. |

**Contains**

Portland Cement (Cr VI < 0,0002%)

**Special provisions according to Annex XVII of REACH and subsequent amendments:**

None.

**2.3. Other hazards**

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards: No other hazards

## SECTION 3: Composition/information on ingredients

**3.1. Substances**

N.A.

**3.2. Mixtures**

Mixture identification: PROFLOW TRADE PART A

**Hazardous components within the meaning of the CLP regulation and related classification:**

| Qty | Name | Ident. Numb. | Classification | Registration Number |
|---|---|---|---|---|
| ≥1-<3 % | Portland Cement (Cr VI < 0,0002%) | CAS:65997-15-1<br>EC:266-043-4 | Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1B, H317; STOT SE 3, H335 | |
| ≥0.5-<1 % | Quartz | CAS:14808-60-7<br>EC:238-878-4 | STOT RE 1, H372 | |
| <0.0015 % | CALCIUM DIHYDROXIDE | CAS:1305-62-0<br>EC:215-137-3 | Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335 | 01-2119475151-45 |

## SECTION 4: First aid measures

**4.1. Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediatley and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Eye irritation

Eye damages

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## SECTION 5: Firefighting measures

**5.1. Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

**5.3. Advice for firefighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non emergency personnel:**

Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

**For emergency responders:**

Wear personal protection equipment.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

### 6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand
Wash with plenty of water.

### 6.4. Reference to other sections

See also section 8 and 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

**Advice on general occupational hygiene:**

### 7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

### 7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Community Occupational Exposure Limits (OEL)**

| | OEL Type | Country | Occupational Exposure Limit |
|---|---|---|---|
| Quartz<br>CAS: 14808-60-7 | NATIONAL | AUSTRALIA | Long Term: 0.05 mg/m3 (8h)<br>Respirable fraction |
| | NATIONAL | HUNGARY | Long Term: 0.1 mg/m3 (8h)<br>Respirable fraction |
| | NATIONAL | IRELAND | Long Term: 0.1 mg/m3 (8h)<br>Respirable fraction |
| | NATIONAL | SPAIN | Long Term: 0.05 mg/m3 (8h)<br>Respirable fraction |
| | NATIONAL | SWITZERLAND | Long Term: 0.15 mg/m3 (8h)<br>Respirable aerosol |
| | NATIONAL | ITALY | Long Term: 0.1 mg/m3 (8h)<br>Polvere di silice cristallina respirabile (frazione inalabile). Rif:D.Lgs 81/2008 |

| | | | |
|---|---|---|---|
| | NATIONAL | INDIA | Long Term: 10 mg/m3 (8h) |
| | NATIONAL | PORTUGAL | Long Term: 0.05 mg/m3 (8h)<br>Respirable fraction |
| | NATIONAL | SLOVENIA | Long Term: 0.05 mg/m3 - 0.4 ppm (8h) |
| | ACGIH | | Long Term: 0.025 mg/m3 (8h)<br>R, A2 - Pulm fibrosis, lung cancer |
| | NATIONAL | CROATIA | Long Term: 0.1 mg/m3<br>Source: NN 1/2021 |
| | NATIONAL | AUSTRIA | Long Term: 0.05 mg/m3<br>MAK, III C, A<br>Source: BGBl. II Nr. 156/2021 |
| | NATIONAL | BELGIUM | Long Term: 0.1 mg/m3<br>C<br>Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1 |
| | NATIONAL | DENMARK | Long Term: 0.3 mg/m3<br>Source: BEK nr 2203 af 29/11/2021 |
| | NATIONAL | DENMARK | Long Term: 0.1 mg/m3<br>EK<br>Source: BEK nr 2203 af 29/11/2021 |
| | NATIONAL | ESTONIA | Long Term: 0.1 mg/m3<br>1, C<br>Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105 |
| | NATIONAL | FINLAND | Long Term: 0.05 mg/m3<br>alveolijae, liite 3<br>Source: HTP-ARVOT 2020 |
| | NATIONAL | FRANCE | Long Term: 0.1 mg/m3<br>La VLEP s'applique à la fraction alvéolaire. Forme de silice cristalline.<br>Source: INRS outil65, article R. 4412-149 du Code du travail |
| | NATIONAL | LITHUANIA | Long Term: 0.1 mg/m3<br>Žiūrėti 1 priedo 3 punktą.<br>Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389 |
| | NATIONAL | NETHERLANDS | Long Term: 0.075 mg/m3<br>(2)<br>Source: Arbeidsomstandighedenregeling - Lijst B1 |
| | NATIONAL | NORWAY | Long Term: 0.3 mg/m3<br>K 7<br>Source: FOR-2021-06-28-2248 |
| | NATIONAL | NORWAY | Long Term: 0.05 mg/m3<br>K G 7 21<br>Source: FOR-2021-06-28-2248 |
| | NATIONAL | POLAND | Long Term: 0.1 mg/m3<br>6)<br>Source: Dz.U. 2018 poz. 1286 |
| | NATIONAL | SWEDEN | Long Term: 0.1 mg/m3<br>C, M, 3<br>Source: AFS 2021:3 |
| | SUVA | SWITZERLAND | Long Term: 0.15 mg/m3<br>TWA mg/m3: (a), C1A, SSC, P, Cancpulm Silicose / Lugenkrebs Silikose, HSE NIOSH OSHA<br>Source: suva.ch/valeurs-limites |
| LIMESTONE<br>CAS: 1317-65-3 | NATIONAL | SPAIN | Long Term: 10 mg/m3 (8h)<br>Inhalable aerosol |
| | NATIONAL | SWITZERLAND | Long Term: 3 mg/m3 (8h)<br>Respirable aerosol |
| | NATIONAL | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 10 mg/m3 (8h)<br>Inhalable aerosol |

| | | |
|---|---|---|
| NATIONAL | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 4 mg/m3 (8h)<br>Respirable aerosol |
| NATIONAL | CROATIA | Long Term: 10 mg/m3 (8h) |
| NATIONAL | FRANCE | Long Term: 10 mg/m3 (8h) |
| NATIONAL | NETHERLANDS | Long Term: 10 mg/m3 (8h) |
| NATIONAL | PORTUGAL | Long Term: 10 mg/m3 (8h) |
| NATIONAL | BULGARIA | Long Term: 10 mg/m3<br>Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. |
| NATIONAL | ESTONIA | Long Term: 10 mg/m3<br>Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105 |
| NATIONAL | ESTONIA | Long Term: 5 mg/m3<br>Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105 |
| NATIONAL | GREECE | Long Term: 10 mg/m3<br>εισπν<br>Source: ΦΕΚ 94/Α` 13.5.1999 |
| NATIONAL | GREECE | Long Term: 5 mg/m3<br>αναπν<br>Source: ΦΕΚ 94/Α` 13.5.1999 |
| NATIONAL | GREECE | Long Term: 10 mg/m3<br>εισπν.<br>Source: ΦΕΚ 94/Α` 13.5.1999 |
| NATIONAL | GREECE | Long Term: 5 mg/m3<br>αναπν.<br>Source: ΦΕΚ 94/Α` 13.5.1999 |
| NATIONAL | HUNGARY | Long Term: 10 mg/m3<br>N<br>Source: 5/2020. (II. 6.) ITM rendelet |
| WEL-EH40 | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 10 mg/m3<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| WEL-EH40 | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 4 mg/m3<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| WEL-EH40 | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 10 mg/m3<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| WEL-EH40 | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 4 mg/m3<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| WEL-EH40 | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 10 mg/m3<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |

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|---|---|---|---|
| | WEL-EH40 | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 4 mg/m3<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| | NATIONAL | BELGIUM | Long Term: 10 mg/m3<br>Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1 |
| | NATIONAL | IRELAND | Long Term: 10 mg/m3<br>Source: 2021 Code of Practice |
| | NATIONAL | IRELAND | Long Term: 4 mg/m3<br>Source: 2021 Code of Practice |
| CALCIUM SULFATE<br>CAS: 7778-18-9 | ACGIH | | Long Term: 10 mg/m3 (8h)<br>I - Nasal symptoms |
| | NATIONAL | BELGIUM | Long Term: 10 mg/m3<br>Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1 |
| | NATIONAL | GERMANY | Long Term: 6 mg/m3<br>DFG, A<br>Source: TRGS 900 |
| | NATIONAL | IRELAND | Long Term: 10 mg/m3<br>Source: 2021 Code of Practice |
| | NATIONAL | SLOVENIA | Long Term: 6 mg/m3<br>(A)<br>Source: UL št. 72, 11. 5. 2021 |
| | NATIONAL | SPAIN | Long Term: 10 mg/m3<br>e<br>Source: LEP 2022 |
| | NATIONAL | AUSTRIA | Long Term: 5 mg/m3; Short Term: 10 mg/m3<br>60(Miw), 2x, MAK, A<br>Source: GKV, BGBl. II Nr. 156/2021 |
| | NATIONAL | GREECE | Long Term: 10 mg/m3<br>Source: ΦΕΚ 94/Α` 13.5.1999 |
| | NATIONAL | GREECE | Long Term: 5 mg/m3<br>αναπν.<br>Source: ΦΕΚ 94/Α` 13.5.1999 |
| | NATIONAL | GREECE | Long Term: 10 mg/m3<br>εισπν.<br>Source: ΦΕΚ 94/Α` 13.5.1999 |
| | NATIONAL | HUNGARY | Long Term: 4 mg/m3<br>N<br>Source: 5/2020. (II. 6.) ITM rendelet |
| | NATIONAL | HUNGARY | Long Term: 1.5 mg/m3<br>resp, N<br>Source: 5/2020. (II. 6.) ITM rendelet |
| | NATIONAL | LATVIA | Long Term: 4 mg/m3<br>Source: KN325P1 |
| | NATIONAL | POLAND | Long Term: 10 mg/m3<br>4), 7)<br>Source: Dz.U. 2018 poz. 1286 |
| | NATIONAL | SLOVAKIA | Long Term: 4 mg/m3<br>10)<br>Source: 355 NARIADENIE VLÁDY z 10. mája 2006 |
| | NATIONAL | SLOVAKIA | Long Term: 1.5 mg/m3<br>11)<br>Source: 355 NARIADENIE VLÁDY z 10. mája 2006 |
| | NATIONAL | SLOVAKIA | Long Term: 4 mg/m3<br>10)<br>Source: 355 NARIADENIE VLÁDY z 10. mája 2006 |
| | NATIONAL | SLOVAKIA | Long Term: 1.5 mg/m3 |

| | | | |
|---|---|---|---|
| | | | 11)<br>Source: 355 NARIADENIE VLÁDY z 10. mája 2006 |
| | SUVA | SWITZERLAND | Long Term: 3 mg/m3<br>TWA mg/m3: (a), SSC, Formel / Formal<br>Source: suva.ch/valeurs-limites |
| Portland Cement (Cr VI < 0,0002%)<br>CAS: 65997-15-1 | NATIONAL | AUSTRALIA | Long Term: 10 mg/m3 (8h)<br>This value is for inhalable dust containing no asbestos and < 1% crystalline silica. |
| | NATIONAL | GERMANY | Long Term: 5 mg/m3 (8h)<br>DFG |
| | NATIONAL | NETHERLANDS | Long Term: 1 mg/m3 (8h)<br>Respirable dust |
| | NATIONAL | PORTUGAL | Long Term: 10 mg/m3 (8h) |
| | NATIONAL | PORTUGAL | Long Term: 1 mg/m3 (8h) |
| | NATIONAL | SWITZERLAND | Long Term: 5 mg/m3 (8h)<br>Inhalable aerosol |
| | NATIONAL | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 10 mg/m3 (8h)<br>Inhalable aerosol |
| | NATIONAL | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 4 mg/m3 (8h)<br>Respirable aerosol |
| | ACGIH | | Long Term: 1 mg/m3 (8h)<br>E,R, A4 - Pulm func, resp symptoms, asthma |
| | NATIONAL | BELGIUM | Long Term: 1 mg/m3<br>Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1 |
| | NATIONAL | CROATIA | Long Term: 10 mg/m3<br>U<br>Source: NN 1/2021 |
| | NATIONAL | CROATIA | Long Term: 4 mg/m3<br>R<br>Source: NN 1/2021 |
| | NATIONAL | IRELAND | Long Term: 1 mg/m3<br>R<br>Source: 2021 Code of Practice |
| | NATIONAL | SPAIN | Long Term: 4 mg/m3<br>e, d<br>Source: LEP 2022 |
| | NATIONAL | AUSTRIA | Long Term: 5 mg/m3<br>MAK, E<br>Source: BGBl. II Nr. 156/2021 |
| | NATIONAL | FINLAND | Long Term: 5 mg/m3<br>hengittyvä pöly<br>Source: HTP-ARVOT 2020 |
| | NATIONAL | FINLAND | Long Term: 1 mg/m3<br>alveolijae<br>Source: HTP-ARVOT 2020 |
| | NATIONAL | HUNGARY | Long Term: 10 mg/m3<br>N<br>Source: 5/2020. (II. 6.) ITM rendelet |
| | NATIONAL | LATVIA | Long Term: 6 mg/m3<br>Source: KN325P1 |
| | NATIONAL | POLAND | Long Term: 6 mg/m3<br>4) |

| | | | |
|---|---|---|---|
| | | | Source: Dz.U. 2018 poz. 1286 |
| | NATIONAL | POLAND | Long Term: 2 mg/m3<br>6), 7)<br>Source: Dz.U. 2018 poz. 1286 |
| | SUVA | SWITZERLAND | Long Term: 5 mg/m3<br>TWA mg/m3: (i), S, Poumons Asthme / Lunge Asthma<br>Source: suva.ch/valeurs-limites |
| | WEL-EH40 | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 10 mg/m3<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| | WEL-EH40 | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 4 mg/m3<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| Quartz<br>CAS: 14808-60-7 | NATIONAL | AUSTRALIA | Long Term: 0.05 mg/m3 (8h)<br>Respirable fraction |
| | NATIONAL | HUNGARY | Long Term: 0.1 mg/m3 (8h)<br>Respirable aerosol |
| | NATIONAL | IRELAND | Long Term: 0.1 mg/m3 (8h)<br>Respirable fraction |
| | NATIONAL | SPAIN | Long Term: 0.05 mg/m3 (8h)<br>Respirable fraction |
| | NATIONAL | SWITZERLAND | Long Term: 0.15 mg/m3 (8h)<br>Respirable aerosol |
| | NATIONAL | ITALY | Long Term: 0.1 mg/m3 (8h)<br>Polvere di silice cristallina respirabile (frazione inalabile). D.Lgs 81/2008 |
| | NATIONAL | PORTUGAL | Long Term: 0.05 mg/m3 (8h) |
| | NATIONAL | SLOVENIA | Long Term: 0.05 mg/m3 - 0.4 ppm (8h) |
| | EU | | Long Term: 0.1 mg/m3<br>Polvere di silice cristallina respirabile, frazione inalabile. (R), A2 - Pulm fibrosis, lung cancer. Directive 2017/2398 |
| | NATIONAL | INDIA | Long Term: 10 mg/m3 |
| | ACGIH | | Long Term: 0.025 mg/m3 (8h)<br>R, A2 - Pulm fibrosis, lung cancer |
| | NATIONAL | CROATIA | Long Term: 0.1 mg/m3<br>Source: NN 1/2021 |
| | NATIONAL | AUSTRIA | Long Term: 0.05 mg/m3<br>MAK, III C, A<br>Source: BGBl. II Nr. 156/2021 |
| | NATIONAL | BELGIUM | Long Term: 0.1 mg/m3<br>C<br>Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1 |
| | NATIONAL | DENMARK | Long Term: 0.3 mg/m3<br>Source: BEK nr 2203 af 29/11/2021 |
| | NATIONAL | DENMARK | Long Term: 0.1 mg/m3<br>EK<br>Source: BEK nr 2203 af 29/11/2021 |
| | NATIONAL | ESTONIA | Long Term: 0.1 mg/m3<br>1, C<br>Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105 |
| | NATIONAL | FINLAND | Long Term: 0.05 mg/m3<br>alveolijae, liite 3<br>Source: HTP-ARVOT 2020 |
| | NATIONAL | FRANCE | Long Term: 0.1 mg/m3 |

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|---|---|---|---|
| | | | La VLEP s'applique à la fraction alvéolaire. Forme de silice cristalline.<br>Source: INRS outil65, article R. 4412-149 du Code du travail |
| | NATIONAL | LITHUANIA | Long Term: 0.1 mg/m3<br>Žiūrėti 1 priedo 3 punktą.<br>Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389 |
| | NATIONAL | NETHERLANDS | Long Term: 0.075 mg/m3<br>(2)<br>Source: Arbeidsomstandighedenregeling - Lijst B1 |
| | NATIONAL | NORWAY | Long Term: 0.3 mg/m3<br>K 7<br>Source: FOR-2021-06-28-2248 |
| | NATIONAL | NORWAY | Long Term: 0.05 mg/m3<br>K G 7 21<br>Source: FOR-2021-06-28-2248 |
| | NATIONAL | POLAND | Long Term: 0.1 mg/m3<br>6)<br>Source: Dz.U. 2018 poz. 1286 |
| | NATIONAL | SWEDEN | Long Term: 0.1 mg/m3<br>C, M, 3<br>Source: AFS 2021:3 |
| | SUVA | SWITZERLAND | Long Term: 0.15 mg/m3<br>TWA mg/m3: (a), C1A, SSC, P, Cancpulm Silicose / Lugenkrebs Silikose, HSE NIOSH OSHA<br>Source: suva.ch/valeurs-limites |
| sodium carbonate<br>CAS: 497-19-8 | ITA | CZECHIA | Long Term: 5 mg/m3 (8h); Short Term: 10 mg/m3 (15min) |
| | NATIONAL | ROMANIA | Long Term: 1 mg/m3; Short Term: 3 mg/m3<br>Source: Republicarea 1 - nr. 743 din 29 iulie 2021 |
| CALCIUM DIHYDROXIDE<br>CAS: 1305-62-0 | ACGIH | | Long Term: 5 mg/m3 (8h)<br>Eye, URT and skin irr |
| | NATIONAL | BELGIUM | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>Source: Code du bien-être au travail, Livre VI, Titre 1er, Annexe VI.1-1 |
| | NATIONAL | CROATIA | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>R (14)<br>Source: 2017/164/EU |
| | NATIONAL | CYPRUS | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>9 (2019)<br>Source: Οι περί Ασφάλειας και Υγείας στην Εργασία (Χημικοί Παράγοντες) Κανονισμοί του 2001 έως 2021 |
| | NATIONAL | GERMANY | Long Term: 1 mg/m3<br>Y, EU, DFG, E, 2 (I)<br>Source: TRGS 900 |
| | NATIONAL | GREECE | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>9)<br>Source: Π.Δ. 82/2018 (ΦΕΚ 152/Α` 21.8.2018) |
| | NATIONAL | IRELAND | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>IOELV, R<br>Source: 2021 Code of Practice |
| | NATIONAL | ITALY | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>Frazione respirabile<br>Source: D.lgs. 81/2008, Allegato XXXVIII |
| | NATIONAL | LATVIA | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>Source: KN325P1 |
| | NATIONAL | LUXEMBOURG | Long Term: 5 mg/m3<br>11, 14<br>Source: Mémorial A n.226 du 22 mars 2021 |
| | NATIONAL | LUXEMBOURG | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>9, 14<br>Source: Mémorial A n.226 du 22 mars 2021 |

| | | |
|---|---|---|
| NATIONAL | MALTA | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>10<br>Source: S.L.424.24 |
| NATIONAL | PORTUGAL | Long Term: 1 mg/m3<br>(9)<br>Source: Decreto-Lei n.º 1/2021 |
| NATIONAL | ROMANIA | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>Fracțiune respirabilă, Dir. 2017/164<br>Source: Republicarea 1 - nr. 743 din 29 iulie 2021 |
| NATIONAL | SLOVENIA | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>Y, EU4, (A)<br>Source: UL št. 72, 11. 5. 2021 |
| NATIONAL | SPAIN | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>VLI, d<br>Source: LEP 2022 |
| NATIONAL | AUSTRIA | Long Term: 1 mg/m3; Short Term: Ceiling - 4 mg/m3<br>5(Mow), 8x, MAK, E<br>Source: GKV, BGBl. II Nr. 156/2021 |
| NATIONAL | BULGARIA | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>5<br>Source: НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. |
| NATIONAL | CZECHIA | Long Term: 1 mg/m3; Short Term: Ceiling - 4 mg/m3<br>I, R<br>Source: Nařízení vlády č. 361-2007 Sb |
| NATIONAL | DENMARK | Long Term: 5 mg/m3<br>E<br>Source: BEK nr 2203 af 29/11/2021 |
| NATIONAL | DENMARK | Long Term: 1 mg/m3<br>E<br>Source: BEK nr 2203 af 29/11/2021 |
| NATIONAL | ESTONIA | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>1<br>Source: Vabariigi Valitsuse, 20. märtsi 2001. a määrus nr 105 |
| NATIONAL | FINLAND | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>Source: HTP-ARVOT 2020 |
| NATIONAL | FRANCE | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>Source: INRS outil65, article R. 4412-149 du Code du travail |
| NATIONAL | HUNGARY | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>resp, EU4, N<br>Source: 5/2020. (II. 6.) ITM rendelet |
| NATIONAL | LITHUANIA | Long Term: 5 mg/m3<br>O<br>Source: 2011 m. rugsėjo 1 d. Nr. V-824/A1-389 |
| NATIONAL | NETHERLANDS | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>(2)<br>Source: Arbeidsomstandighedenregeling - Lijst A |
| NATIONAL | NORWAY | Long Term: 1 mg/m3<br>E<br>Source: FOR-2021-06-28-2248 |
| NATIONAL | NORWAY | Short Term: 4 mg/m3<br>S<br>Source: FOR-2021-06-28-2248 |
| NATIONAL | POLAND | Long Term: 2 mg/m3; Short Term: 6 mg/m3<br>4)<br>Source: Dz.U. 2018 poz. 1286 |
| NATIONAL | POLAND | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>6)<br>Source: Dz.U. 2018 poz. 1286 |
| NATIONAL | SLOVAKIA | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>11) |

| | | |
|---|---|---|
| | | Source: 355 NARIADENIE VLÁDY z 10. mája 2006 |
| NATIONAL | SWEDEN | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>3<br>Source: AFS 2021:3 |
| SUVA | SWITZERLAND | Long Term: 1 mg/m3; Short Term: 4 mg/m3<br>TWA mg/m3: (i), SSC, VRS / OAW, NIOSH<br>Source: suva.ch/valeurs-limites |
| WEL-EH40 | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND | Long Term: 5 mg/m3<br>Source: EH40/2005 Workplace exposure limits (Fourth Edition 2020) |
| EU | | Long Term: 1 mg/m3 (8h); Short Term: 4 mg/m3<br>Respirable fraction |

**Predicted No Effect Concentration (PNEC) values**

| | |
|---|---|
| CALCIUM DIHYDROXIDE<br>CAS: 1305-62-0 | Exposure Route: Fresh Water; PNEC Limit: 490 µg/l |
| | Exposure Route: Intermittent releases (fresh water); PNEC Limit: 490 µg/l |
| | Exposure Route: Marine water; PNEC Limit: 320 µg/l |
| | Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 3 mg/l |
| | Exposure Route: Soil; PNEC Limit: 1080 mg/kg |

**Derived No Effect Level (DNEL) values**

| | |
|---|---|
| CALCIUM DIHYDROXIDE<br>CAS: 1305-62-0 | Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects<br>Worker Professional: 1 mg/m³; Consumer: 1 mg/m³ |
| | Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects<br>Worker Professional: 4 mg/m³; Consumer: 4 mg/m³ |

**8.2. Exposure controls**

Eye protection:

Use close fitting safety goggles, don't use contact lenses.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

N.A.

Thermal Hazards:

Not expected if used as intended

Environmental exposure controls:

Prevent the product from entering sewers or surface and underground water.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

Physical state: Solid

Colour: Grey

Odour: Characteristic

Odour threshold: N.A.

pH: >10 >10.00

Kinematic viscosity: <= 20,5 mm2/sec (40 °C)

Melting point/freezing point: N.A.

Boiling point or initial boiling point and boiling range: N.A.

Flash point: > 93°C

Lower and upper explosion limit: N.A.

Relative vapour density: N.A.

Vapour pressure: N.A.

Density and/or relative density: 1.16 g/cm3 Notes: > @20°C

Solubility in water: Slightly soluble

Solubility in oil: N.A.

Partition coefficient n-octanol/water (log value): N.A.

Auto-ignition temperature: N.A.
Decomposition temperature: N.A.
Flammability: N.A.
Volatile Organic compounds - VOCs = 0 % ; 0 g/l
**Particle characteristics:**
Particle size: N.A.

**9.2. Other information**

No other relevant information

## SECTION 10: Stability and reactivity

**10.1. Reactivity**

Stable under normal conditions

**10.2. Chemical stability**

Data not available.

**10.3. Possibility of hazardous reactions**

None.

**10.4. Conditions to avoid**

Stable under normal conditions.

**10.5. Incompatible materials**

None in particular.

**10.6. Hazardous decomposition products**

None.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Toxicological Information of the Preparation**

| | |
|---|---|
| a) acute toxicity | Not classified |
| | Based on available data, the classification criteria are not met |
| b) skin corrosion/irritation | Not classified |
| | Based on available data, the classification criteria are not met |
| c) serious eye damage/irritation | The product is classified: Eye Irrit. 2(H319) |
| d) respiratory or skin sensitisation | The product is classified: Skin Sens. 1B(H317) |
| e) germ cell mutagenicity | Not classified |
| | Based on available data, the classification criteria are not met |
| f) carcinogenicity | Not classified |
| | Based on available data, the classification criteria are not met |
| g) reproductive toxicity | Not classified |
| | Based on available data, the classification criteria are not met |
| h) STOT-single exposure | Not classified |
| | Based on available data, the classification criteria are not met |
| i) STOT-repeated exposure | Not classified |
| | Based on available data, the classification criteria are not met |
| j) aspiration hazard | Not classified |
| | Based on available data, the classification criteria are not met |

**Toxicological information on main components of the mixture:**

| | | | |
|---|---|---|---|
| Quartz | a) acute toxicity | LD50 Oral > 2000 mg/kg | |
| CALCIUM DIHYDROXIDE | a) acute toxicity | LD50 Oral Rat > 2000 mg/kg | |
| | | LC50 Inhalation Dust Rat > 6.04 mg/l 4h | |
| | | LD50 Skin Rabbit > 2500 mg/kg | |
| | b) skin corrosion/irritation | Skin Irritant Rabbit Positive | |
| | c) serious eye damage/irritation | Eye Irritant Rabbit Yes | |
| | d) respiratory or skin sensitisation | Skin Sensitization Negative | |
| | f) carcinogenicity | Carcinogenicity Oral Rat = 517 mg/kg | NOAEL |

**11.2. Information on other hazards**

**Endocrine disrupting properties:**

No endocrine disruptor substances present in concentration >= 0.1%

## SECTION 12: Ecological information

**12.1. Toxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**List of Eco-Toxicological properties of the product**

Not classified for environmental hazards.

No data available for the product

**List of Eco-Toxicological properties of the components**

| Component | Ident. Numb. | Ecotox Data |
|---|---|---|
| CALCIUM DIHYDROXIDE | CAS: 1305-62-0 - EINECS: 215-137-3 | a) Aquatic acute toxicity : LC50 Fish rainbow trout = 50.6 mg/L 96h |
| | | a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 49.1 mg/L 48h |
| | | b) Aquatic chronic toxicity : NOEC Crangon septemspinosa = 32 mg/L 48h - 14days |
| | | a) Aquatic acute toxicity : EC50 Algae Pseudokirchneriella subcapitata = 184.57 mg/L 72h ,,OECD Guideline 201 (Alga, Growth Inhibition Test) |
| | | a) Aquatic acute toxicity : EC50 Sludge activated sludge = 300.4 mg/L 3h ,,OECD Guideline 209 (Activated Sludge, Respiration Inhibition Test |
| | | d) Terrestrial toxicity : NOEC Worm Eisenia fetida = 2000 mg/kg ,,OECD Guideline 207 (Earthworm, Acute Toxicity Tests) |
| | | d) Terrestrial toxicity : EC10 soil microorganisms = 4000 mg/kg ,,Guideline: BBA VI, 1-1 (1990) under consideration of OECD 216 (2000) and OECD 217 (2000). |

**12.2. Persistence and degradability**

N.A.

**12.3. Bioaccumulative potential**

N.A.

**12.4. Mobility in soil**

N.A.

**12.5. Results of PBT and vPvB assessment**

No PBT or vPvB substances present in concentration >= 0.1%

**12.6. Endocrine disrupting properties**

No endocrine disruptor substances present in concentration >= 0.1%

**12.7. Other adverse effects**

N.A.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

Recover if possible. In so doing, comply with the local and national regulations currently in force. Disposal through discharge into wastewater is not permitted

The product disposed of as such, pursuant to Regulation (EU) 1357/2014, must be classified as hazardous waste

A waste code according to the European List of Wastes (LoW) cannot be specified, due to dependence on the usage. Contact an authorized waste disposal service.

**Properties of waste which render it hazardous (Annex III, Directive 2008/98/EC):**

N.A.

## SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

**14.1. UN number or ID number**

**14.2. UN proper shipping name**

N.A.

**14.3. Transport hazard class(es)**

ADR-Class: N.A.

**14.4. Packing group**

N.A.

ADR-Packing Group:

**14.5. Environmental hazards**

N.A.

**14.6. Special precautions for user**

N.A.

Road and Rail (ADR-RID):

N.A.

Air (IATA):

N.A.

Sea (IMDG):

N.A.

**14.7. Maritime transport in bulk according to IMO instruments**

N.A.

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## SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)
Regulation (EU) n. 2023/707
Regulation (EU) n. 2023/1434 (ATP 19 CLP)
Regulation (EU) n. 2023/1435 (ATP 20 CLP)
Regulation (EU) n. 2024/197 (ATP 21 CLP)
Regulation (EU) n. 2020/878
Regulation (EC) nr 648/2004 (Detergents).

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None.

Restrictions related to the substances contained: 75

Provisions related to directive EU 2012/18 (Seveso III):

None

**Explosives precursors – Regulation 2019/1148**

No substances listed

**Regulation (EU) No 649/2012 (PIC regulation)**

No substances listed

**German Water Hazard Class.**

3: Severe hazard to waters

**German Lagerklasse according to TRGS 510:**

LGK 11

SVHC Substances:

No SVHC substances present in concentration >= 0.1%

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for the mixture.

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## SECTION 16: Other information

| Code | Description |
|---|---|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

| Code | Hazard class and hazard category | Description |
|---|---|---|
| 3.2/2 | Skin Irrit. 2 | Skin irritation, Category 2 |
| 3.3/1 | Eye Dam. 1 | Serious eye damage, Category 1 |
| 3.3/2 | Eye Irrit. 2 | Eye irritation, Category 2 |
| 3.4.2/1B | Skin Sens. 1B | Skin Sensitisation, Category 1B |
| 3.8/3 | STOT SE 3 | Specific target organ toxicity — single exposure, Category 3 |
| 3.9/1 | STOT RE 1 | Specific target organ toxicity — repeated exposure, Category 1 |

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

| Classification according to Regulation (EC) Nr. 1272/2008 | Classification procedure |
|---|---|
| Eye Irrit. 2, H319 | Calculation method |
| Skin Sens. 1B, H317 | Calculation method |

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report

DMEL: Derived Minimal Effect Level

DNEL: Derived No Effect Level.

DPD: Dangerous Preparations Directive
DSD: Dangerous Substances Directive
EC50: Half Maximal Effective Concentration
ECHA: European Chemicals Agency
EINECS: European Inventory of Existing Commercial Chemical Substances.
ES: Exposure Scenario
GefStoffVO: Ordinance on Hazardous Substances, Germany.
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association.
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
IC50: half maximal inhibitory concentration
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG: International Maritime Code for Dangerous Goods.
INCI: International Nomenclature of Cosmetic Ingredients.
IRCCS: Scientific Institute for Research, Hospitalization and Health Care
KAFH: Keep Away From Heat
KSt: Explosion coefficient.
LC50: Lethal concentration, for 50 percent of test population.
LD50: Lethal dose, for 50 percent of test population.
LDLo: Leathal Dose Low
N.A.: Not Applicable
N/A: Not Applicable
N/D: Not defined/ Not available
NA: Not available
NIOSH: National Institute for Occupational Safety and Health
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PBT: Persistent, Bioaccumulative and Toxic
PGK: Packaging Instruction
PNEC: Predicted No Effect Concentration.
PSG: Passengers
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
TLV: Threshold Limiting Value.
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
vPvB: Very Persistent, Very Bioaccumulative.
WGK: German Water Hazard Class.