

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

1.1. Product identifier

| | |
|-----------------|-----------------------------|
| Product form | : Mixture |
| Product name | : PROMACOL®-S |
| Type of product | : Silicate based |
| Product group | : Adhesives, binding agents |

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

1.2.1. Relevant identified uses

| | |
|------------------------------|--------------------|
| Main use category | : Professional use |
| Use of the substance/mixture | : adhesives |

1.2.2. Uses advised against

No additional information available.

1.3. Details of the supplier of the safety data sheet

Supplier

Etex Building Performance N.V.
Bormstraat 24
2830 Tisselt - BELGIUM
T +32 15 71 81 00 - F +32 15 71 81 09
info@promat-international.com - www.promat-international.com

Other

Promat d.o.o.
Trata 50
4220 Skofja Loka - SLOVENIA
T +386 4 51 51 451 - F +386 4 51 51 450
info@promat-see.com - www.promat-see.com

Other

Promat s.r.o.
Čkalova 22/784
16000 Praha 6 - Bubeneč - CZECH REPUBLIC
T +420 224 390 811 - F +420 233 333 576
promat@promatpraha.cz - www.promatpraha.cz

Other

Promat Ibérica S.A.
C/ Velazquez, 47 – 6° Izquierda
28001 Madrid - SPAIN
T +34 91 781 1550 - F +34 91 575 15 97
info@promat.es - www.promat.es

Other

Etex Building Performance GmbH
Scheifenkamp 16
40878 Ratingen - GERMANY
T +49 (0)2102 493 0 - F +49 (0)2102 493 111
mail@promat.de - www.promat.de

Other

Etex Building Performance Limited
Gordano House, Marsh Lane, Easton-in-Gordano
Eastern Road
BS20 0NE Bristol - UNITED KINGDOM
T +44 (0800) 373 636
marketinguk@promat.co.uk - www.promat.co.uk

Other

Etex France Building Performance S.A.
500 rue Marcel Demonque, Agroparc - CS70088
84915 Avignon Cedex 9 - FRANCE
T +33 (0)432 44 44 44
fds.efbp@etexgroup.com - www.promat.fr

Other

Promat TOP Sp. z.o.o.
ul. Przechlowska 8
03-879 Warszawa - POLAND
T +48-22 212 2280 - F +48-22 212 2290
top@promatop.pl - www.promatop.pl

Other

Etex Nordic A/S
Vendersgade 74,3
7000 Fredericia - DENMARK
T +45 7366 1999
Promat-dk@etexgroup.com - www.promat.com/da-dk

Other

Etex Middle East LLC
Plot No. 597-921 Dubai Investment Park 2
123945 Dubai - UNITED ARAB EMIRATES
T +971 4 885 3070 - F +971 4 885 3588
info@promatfp.ae - www.promat.com

1.4. Emergency telephone number

Emergency number : Please contact a regional poison center or emergency telephone number.

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| Country | Organisation/Company | Address | Emergency number | Comment |
|----------------|--|--|--|------------------|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital MSD 2090 Msida | +356 2545 6508 | |
| United Kingdom | NHS 111/NHS 24/NHS Direct | Edinburgh | 111 0845 4647 | or call a doctor |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request.
EUH211 - Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not established.

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|-------------|---|
| Magnesium Silicate Hydrate substance with national workplace exposure limit(s) (IE, GB) | (CAS-No.) 14807-96-6 (EC-No.) 238-877-9 | ≥ 25 - < 50 | Not classified |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] substance with national workplace exposure limit(s) (IE, GB) | (CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (REACH-no) 01-2119489379-17 | ≥ 2.5 – < 5 | Not classified |

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Comments : The product does not contain any substances of very high concern (SVHC).
The contained titanium dioxide is not classified according to Regulation 2020/217 (14th ATP of Regulation (EC) 1272/2008, Annex VI). EUH 211 is listed in section 2.2 on a voluntary basis.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In case of doubt or persistent symptoms, consult always a physician. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If symptoms persist, call a physician.

First-aid measures after skin contact : Take off immediately all contaminated clothing. Wash skin thoroughly with mild soap and water. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get medical advice/attention.

First-aid measures after ingestion : Do not induce vomiting. Rinse mouth thoroughly, drink plenty of water. Get medical advice/attention.

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

Symptoms/effects after skin contact : May produce skin irritation.

Symptoms/effects after eye contact : May cause eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Not flammable. Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Fire will produce dense black smoke. Decomposition products may be a hazard to health. Do not breathe smoke.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill area may be slippery. Clean up immediately all accidental spillage.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

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6.2. Environmental precautions

Prevent entry to sewers and public waters. Dilute with plenty of water.

6.3. Methods and material for containment and cleaning up

For containment : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
Dispose in a safe manner in accordance with local/national regulations.

Methods for cleaning up : Clean preferably with a detergent - Avoid the use of solvents.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin, eyes and clothing.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect against frost. Keep away from heat and direct sunlight. Keep in original containers closed.

Storage temperature : 5 – 35 °C

Information on mixed storage : Ensure all national/local regulations are observed.

7.3. Specific end use(s)

No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Magnesium Silicate Hydrate (14807-96-6) | |
|--|--|
| Ireland - Occupational Exposure Limits | |
| Local name | Talc |
| OEL TWA [1] | 10 mg/m ³ total inhalable dust 0.8 mg/m ³ respirable dust |
| Regulatory reference | Chemical Agents Code of Practice 2021 |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Talc |
| WEL TWA (OEL TWA) [1] | 1 mg/m ³ respirable dust |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
| Ireland - Occupational Exposure Limits | |
| Local name | Titanium dioxide |

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| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
|---|--|
| OEL TWA [1] | 10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust |
| Regulatory reference | Chemical Agents Code of Practice 2021 |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Titanium dioxide |
| WEL TWA (OEL TWA) [1] | 4 mg/m ³ respirable 10 mg/m ³ total inhalable |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

8.1.2. Recommended monitoring procedures

No additional information available.

8.1.3. Air contaminants formed

No additional information available.

8.1.4. DNEL and PNEC

Occupational Exposure Limits / Workplace Exposure Limits for particles not otherwise classified or regulated (nuisance dust)
Additional information

: - in UK: Inhalable: 10 mg/m³. Respirable: 4 mg/m³
- in Ireland: Inhalable: 10 mg/m³. Respirable: 4 mg/m³
: Ensure all national/local regulations are observed.

8.1.5. Control banding

No additional information available.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure. Gloves. Protective goggles. Protective clothing.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Wear eye goggles (according EN 166). Use splash goggles when eye contact due to splashing is possible.

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. Wash contaminated clothing before reuse.

Hand protection:

Protective gloves. Use alkali resistant gloves. Latex gloves. Nitrile rubber gloves. PVC gloves. Butyl rubber gloves

8.2.2.3. Respiratory protection

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Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Colour | : Grey. Beige. |
| Appearance | : Viscous liquid. |
| Odour | : odourless. |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not flammable |
| Explosive limits | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : Not available |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : 11 |
| Viscosity, kinematic | : $\approx 10000 \text{ mm}^2/\text{s}$ |
| Viscosity, dynamic | : $\approx 16000 \text{ mPa}\cdot\text{s}$ (20°C) |
| Solubility | : Dilutable with water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : $1600 \text{ kg}/\text{m}^3$ |
| Relative density | : 1.6 |
| Relative vapour density at 20°C | : Not available |
| Particle size | : Not applicable |
| Particle size distribution | : Not applicable |
| Particle shape | : Not applicable |
| Particle aspect ratio | : Not applicable |
| Particle aggregation state | : Not applicable |
| Particle agglomeration state | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available.

9.2.2. Other safety characteristics

| | |
|----------------|------------------|
| Percent Solids | : Not determined |
| VOC content | : 0 g/l |

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Freezing.

10.5. Incompatible materials

No additional information available.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| Sodium silicate (1344-09-8) | |
|-----------------------------|--|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity) |

| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7) | |
|---|--|
| LD50 oral rat | > 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity) |
| LD50 dermal rabbit | > 5000 mg/kg |
| LC50 Inhalation - Rat | > 6.8 mg/l/4h |

Skin corrosion/irritation : Not classified.
pH: 11

Serious eye damage/irritation : Not classified
pH: 11

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified (Note 10 : The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.).

Reproductive toxicity : Not classified

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| Sodium silicate (1344-09-8) | |
|-----------------------------|--|
| NOAEL (animal/female, F0/P) | > 159 mg/kg bodyweight Animal: rat, Animal sex: female |

STOT-single exposure : Not classified.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

| PROMACOL®-S | |
|----------------------|----------------------------|
| Viscosity, kinematic | ≈ 10000 mm ² /s |

11.2. Information on other hazards

No additional information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Ecology - water : Do not allow into drains or water courses.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

| Sodium silicate (1344-09-8) | |
|-----------------------------|---|
| LC50 - Fish [1] | 1108 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| EC50 - Crustacea [1] | 1700 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 207 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | > 345.4 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)

| | |
|------------------------------------|--------------|
| LC50 - Fish [1] | > 1000 mg/l |
| LC50 - Fish [2] | > 10000 mg/l |
| EC50 - Crustacea [1] | > 1000 mg/l |
| EC50 - Other aquatic organisms [1] | > 10000 mg/l |
| EC50 72h - Algae [1] | > 100 mg/l |
| EC50 72h - Algae [2] | > 10000 mg/l |

12.2. Persistence and degradability

| PROMACOL®-S | |
|-------------------------------|--------------------|
| Persistence and degradability | No data available. |

12.3. Bioaccumulative potential

No additional information available.

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12.4. Mobility in soil

No additional information available.

12.5. Results of PBT and vPvB assessment

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available.

12.7. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Waste treatment methods | : Do not allow entry to drains, sewers, water courses or soil. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. |
| European List of Waste (LoV) code | : Please refer to the European list (Decision N° 2000/532/CE) to identify the wastes appropriate waste number. 08 04 11* - adhesive and sealant sludges containing organic solvents or other dangerous substances |
| HP Code | : HP7 - "Carcinogenic:" waste which induces cancer or increases its incidence |

SECTION 14: Transport information

In accordance with

14.1. UN number or ID number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

| | |
|-------------------------------|--|
| Dangerous for the environment | : No |
| Other information | : No supplementary information available |

14.6. Special precautions for user

14.7. Maritime transport in bulk according to IMO instruments

Not established.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

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Contains no substance on the REACH candidate list.

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

VOC content : 0 g/l

15.1.2. National regulations

No additional information available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

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

Full text of H- and EUH-statements:

| | |
|--------|--|
| EUH210 | Safety data sheet available on request. |
| EUH211 | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |

Safety information applicable for : IE;MT;GB regions

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.