

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

1.1. Product identifier

Product form : Mixture
Product name : PROMAPAIN[®] SC3
Type of product : Water based intumescent coating for the fire protection of structural steel.
Product group : Paints

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 : Fire protection in buildings.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Promat S.p.A.
Via Provinciale 10
24040 Filago - Italia
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industria@promat.it - www.promat.it

Other

Promat UK Limited
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sales@promat.co.uk

Other

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info@promat-international.com - www.promat-international.com

Other

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

Other

Etex Building Performance, Etex Nordic A/S
Port house
Vendersgade 74
7000 Fredericia - Denmark
T +45 7366 1999
Promat-dk@etexgroup.com - www.promat.nu

Other

Promat s.r.o.
Ckalova 22/784
16000 Praha 6 - Bubeneč - Czech Republic
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promat@promatpraha.cz - www.promatpraha.cz

Other

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Other

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Eastern Road
BS20 0NE Bristol - United Kingdom
T +44 1275 377 773
marketinguk@promat.co.uk - www.promat.co.uk

Other

Promat France
500 rue Marcel Demonque
Agroparc - CS70088
84915 Avignon Cedex 9 - France
T +33(0)4 32 44 44 44
fdssiniat@sinia.fr - www.promat.fr

Other

Etex Building Performance GmbH
St.-Peter-Straße 25
4021 Linz - Austria
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Other

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

Other

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PROMAPAIN[®] SC3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Other

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T +386 4 51 51 451 - F +386 4 51 51 450
info@promat-see.com - www.promat-see.com

Other

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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.promatmiddleeast.com

Other

Promat AG
Stationsstrasse 1
8545 Rickenbach Sulz - Switzerland
T +41 52 320 9400 - F +41 52 320 9402
office@promat.ch - www.promat.ch

Other

Promat Fire & Insulation Private Limited
Unit No. 605, 6th Floor, Tower B; Global Business Park, Mehrauli
Gurgaon Road, Sector 26, Gurgaon
122002 Haryana - India
T +91-124-434-6865
promatindia@etexgroup.com - www.promat-india.com

1.4. Emergency telephone number

Emergency number : +39035993737
During office hours:
Monday-Friday: 8.00 a.m. - 5.00 p.m. (MEZ) .
Language
Italian
English

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 Msida	+356 2545 6504	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

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.
EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Titanium dioxide	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (REACH-no) 01-2119489379-17	< 15	Not classified

PROMAPAIN[®] SC3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content greater than 18 % by weight substance with a Community workplace exposure limit	(CAS-No.) 287922-11-6 (EC-No.) 926-099-9 (REACH-no) 01-2119472313-44	<5	Not classified
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SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Remove contaminated clothing. Wash skin with mild soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: Do not rub the eye. Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth thoroughly, drink plenty of water. If symptoms persist, consult doctor.

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

Symptoms/effects after skin contact	: May cause an allergic skin reaction.
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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	: Water spray. Dry powder. Foam. Carbon dioxide.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable.
Reactivity in case of fire	: The product is water based and is not combustible.
Hazardous decomposition products in case of fire	: Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Do not breathe fumes from fires or vapours from decomposition.

5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
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	: Avoid contact with skin and eyes. Do not breathe gas, fumes, vapour or spray. Spill area may be slippery.
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6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area.
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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

Do not allow entry to drains, sewers, water courses or soil.

6.3. Methods and material for containment and cleaning up

For containment	: For a large spillage, contain the spillage by bunding.
Methods for cleaning up	: Remove with inert absorbent material (e.g. sand, sawdust, vermiculite, diatomaceous earth, etc.), wipe up and keep in suitable containers for disposal.
Other information	: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See sections 7, 8 and 11.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Spray application of a coating system typically requires respiratory protection to prevent from inhalation of paint aerosols as well as from volatile and non-volatile (e.g. pigments, fillers) paint components, independent from the nature of the coatings system. Spray application requires improved respiratory protection by using at least a combination filter A/P2 or A/P3 or a supplied air system, depending on the extend of spray operation duration of spraying, extend of aerosol formation, etc.). Avoid contact with skin and eyes. Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.
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PROMAPAIN[®] SC3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid all unnecessary exposure. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Handling temperature	: ≥ 5 °C
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a dry, cool and well-ventilated place. Store between +5°C and +40°C, protected from frost and direct sunlight. Keep container closed when not in use.
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7.3. Specific end use(s)

Fire protection in buildings.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Pentaerythritol (115-77-5)		
Ireland	Local name	Pentaerythritol
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust
Ireland	OEL (15 min ref) (mg/m ³)	20 mg/m ³ total inhalable dust
Ireland	Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom	Local name	Pentaerythritol
United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³ respirable dust 10 mg/m ³ inhalable dust
United Kingdom	WEL STEL (mg/m ³)	20 mg/m ³ inhalable dust
United Kingdom	Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Titanium dioxide (13463-67-7)		
Ireland	Local name	Titanium dioxide
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust
Ireland	Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom	Local name	Titanium dioxide
United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³ respirable 10 mg/m ³ total inhalable
United Kingdom	Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland	Local name	Títandíoxíð, sem Ti
Iceland	OEL (8 hours ref) (mg/m ³)	6 mg/m ³
Iceland	Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)

Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18 % by weight (287922-11-6)

EU	Local name	Man made mineral fibers (MMMF)
EU	IOELV TWA (mg/m ³)	1 fibers/mL
EU	Notes	(Year of adoption 2012)
EU	Regulatory reference	SCOEL Recommendations
Ireland	Local name	Machinemade mineral fibre (excluding refractory ceramicfibres) (MMMF)
Ireland	OEL (8 hours ref) (mg/m ³)	5 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	1 fibers/mL
Ireland	Regulatory reference	Chemical Agents Code of Practice 2020
United Kingdom	Local name	MMMF (Machine-made mineral fibre)

PROMAPAIN[®] SC3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na₂O+K₂O+CaO+MgO+BaO) content greater than 18 % by weight (287922-11-6)

United Kingdom	WEL TWA (mg/m ³)	5 mg/m ³ (except for refractory ceramic fibres and special purpose fibres)
United Kingdom	WEL TWA (ppm)	2 fibers/mL (except for refractory ceramic fibres and special purpose fibres)
United Kingdom	Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Iceland	Local name	MMMF „Man Made Mineral Fibers“ (einangrunarþráður, glerull, steinull)
Iceland	OEL (8 hours ref) (ppm)	1 ppm
Iceland	Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)

Occupational Exposure Limits / Workplace Exposure Limits for particles not otherwise classified or regulated (nuisance dust) : - in UK: Inhalable: 10 mg/m³. Respirable: 4 mg/m³
- in Ireland: Inhalable: 10 mg/m³. Respirable: 4 mg/m³

Additional information : Exposure limit values have been established by many authorities. Check on limit values that apply in your local situation

Additional information : Exposure limit values have been established by many authorities. Check on limit values that apply in your local situation. Ensure all national/local regulations are observed.

8.2. Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation during application and drying. Ensure exposure is below occupational exposure limits (where available).

Hand protection:

Use chemical resistant, impermeable gloves. Wash hands after handling.

Eye protection:

Safety glasses with side shields. Use splash goggles when eye contact due to splashing is possible.

Skin and body protection:

Wear protective waterproof clothing and boots.

Respiratory protection:

Avoid breathing dust, mist or spray. In case of insufficient ventilation, wear suitable respiratory equipment. Provide by spray application improved respiratory protection by using at least a combination filter A/P2 or A/P3 or a supplied air system, depending on the extend of spray operation, duration of spraying, extend of aerosol formation, etc.

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Water based dispersion.
Colour	: White.
Odour	: odourless.
Odour threshold	: No data available
pH	: 6 – 9
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: 0 °C
Boiling point	: 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available

PROMAPAIN[®] SC3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Density	: ≈ 1,35 kg/l
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 20000 – 60000 cP (Brookfield 25°C)
Explosive properties	: Presents no particular fire or explosion hazard.
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

Solid content	: ≈ 71 %
VOC content	: < 10 g/l (Dir 2004/42/CE Annex II, A - max. VOC - Phase II, i, WB: 140 g/l)

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

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Titanium dioxide (13463-67-7)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 6,8 mg/l/4h
Skin corrosion/irritation	: Not classified pH: 6 – 9
Serious eye damage/irritation	: Not classified pH: 6 – 9
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

Titanium dioxide (13463-67-7)

NOAEC (inhalation, rat, dust/mist/fume, 90 days)	10 mg/l/6h/day
NOAEL (subchronic, oral, animal/male, 90 days)	3500 mg/kg bodyweight

Aspiration hazard	: Not classified
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PROMAPAIN[®] SC3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Other information

: Titanium dioxide, EC N° 236-675-5: In 2006 IARC has classified TiO₂ as possibly carcinogenic to humans. This classification is based on some studies that showed excess lung cancers in laboratory animals that were exposed to high doses of TiO₂ by the route of inhalation (in some other studies no excesses were found in exposed animals). With regard to studies on humans (worker populations of TiO₂ producing or using industries), IARC concluded: "In summary, the studies do not suggest an association between occupational exposure to titanium dioxide as it occurred in recent decades in Western Europe and North America and risk for cancer. However, this should not be interpreted as proof of complete absence of carcinogenic potential to humans.". With regard to expected exposures for downstream users, IARC also concluded: No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as in paints".

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.

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

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

Titanium dioxide (13463-67-7)

LC50 fish 1	> 100 mg/l
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EC50 Daphnia 1	> 100 mg/l
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EC50 72h algae (1)	16 mg/l
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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Titanium dioxide (13463-67-7)

Bioaccumulative potential	No bioaccumulation.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Do not allow entry to drains, sewers, water courses or soil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Avoid release to the environment. Do not allow entry to drains, sewers, water courses or soil.

European List of Waste (LoW) code : 08 00 00 - WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00 - wastes from MFSU and removal of paint and varnish
08 01 12 - waste paint and varnish other than those mentioned in 08 01 11
Please refer to the European list (Decision N° 2000/532/CE) to identify the wastes appropriate waste number.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

PROMAPAIN[®] SC3

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

14.4. Packing group

Not regulated				
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14.5. Environmental hazards

Not regulated				
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No supplementary information available

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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 REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : < 10 g/l (Dir 2004/42/CE Annex II, A - max. VOC - Phase II, i, WB: 140 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:

This sheet has been revised completely (changes were not marked).

Full text of H- and EUH-statements:

EUH208	Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Safety Data Sheet applicable for regions : CY;GB;GI;IE;IS;MT

SDS EU (REACH Annex II) custom

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