

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

1.1. Product identifier

Product form : Mixture
Product name : PROMADUR®
Type of product : Intumescent paint

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
Function or use category : Fire protection

1.2.2. Uses advised against

Restrictions on use : None known

1.3. Details of the supplier of the safety data sheet

Supplier

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info@promat-international.com - [website: www.promat-international.com](http://www.promat-international.com)

Other

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03-879 Warszawa - Poland
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top@promatop.pl - www.promatop.pl

Other

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27010 Vellezzo Bellini (PV) - Italy
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info@promat.it - www.promat.it

Other

Promat Nordic, by Ivarsson a/s
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info@promat.nu - www.promat.nu

Other

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Other

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Other

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Other

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Other

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1.4. Emergency telephone number

Emergency number : +32 15 71 81 00
During office hours:
Monday-Friday: 8.00 a.m. - 4.30 p.m. (MEZ) .
Language
English
French
Dutch

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

No additional information available

2.2. Label elements

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

No labelling applicable

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. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Pentaerythritol substance with national workplace exposure limit(s) (GB)	(CAS No) 115-77-5 (EC no) 204-104-9 (REACH-no) 01-2119473985-20	1 - 10	Not classified
Starch substance with national workplace exposure limit(s) (GB)	(CAS No) 9005-25-8 (EC no) 232-679-6	1 - 10	Not classified

Full text of H-statements: see section 16

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 : Wash off immediately with soap and plenty of water removing at the same time all contaminated clothes. Seek medical attention if irritation or symptoms persist.
First-aid measures after eye contact : Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting. Rinse mouth thoroughly, drink plenty of water.

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

Symptoms/injuries : None known.

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 : The product is non-combustible. Use extinguishing media appropriate for surrounding fire.

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Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Nitrogen oxides (NO_x). Phosphorus oxides.

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.

Other information : Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters. Dispose of in accordance with relevant local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate ventilation. Clean spills promptly. Spill area may be slippery.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

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

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 in a safe manner in accordance with local/national regulations.

6.4. Reference to other sections

Personal protection: section 8; Product disposal: section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only in well ventilated areas. Avoid all unnecessary exposure. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Remove contaminated clothes.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place. Store between 5 and 35°C, protected from frost.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Pentaerythritol (115-77-5)		
United Kingdom	Local name	Pentaerythritol
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust
United Kingdom	WEL STEL (mg/m ³)	20 mg/m ³ inhalable dust
Starch (9005-25-8)		
United Kingdom	Local name	Starch
United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³ respirable 10 mg/m ³ total inhalable

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Butyl rubber gloves

Eye protection:

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Safety glasses

Skin and body protection:

Not required for normal conditions of use. Preventive skin protection creams can be used, but not after skin contact with the product

Respiratory protection:

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. Do not allow to enter drains or water courses.

Other information:

Avoid contact with skin and eyes. Do not inhale gases / fumes / aerosols.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: 3 - 6
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,25 - 1,35 g/ml
Solubility	: Miscible.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 500 - 3500 mPa.s (20°C)
Explosive properties	: No data available
Oxidising properties	: No.
Explosive limits	: No data available

9.2. Other information

VOC content : < 1 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

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

See section 7.

10.5. Incompatible materials

None known.

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10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Pentaerythritol (115-77-5)	
LD50 oral rat	25500 mg/kg
LD50 dermal rabbit	> 10000 mg/kg

Skin corrosion/irritation : Not classified
pH: 3 - 6

Serious eye damage/irritation : Not classified
pH: 3 - 6

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Pentaerythritol (115-77-5)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight/day
NOAEL (subacute, oral, animal/male, 28 days)	1000 mg/kg bodyweight

Aspiration hazard : Not classified

Other information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

SECTION 12: Ecological information

12.1. Toxicity

Pentaerythritol (115-77-5)	
LC50 fish 1	> 100 mg/l
EC50 72h algae (1)	> 100 mg/l
NOEC chronic crustacea	1000 mg/l

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Pentaerythritol (115-77-5)	
Log Pow	-1,7

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

PROMADUR®	
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. Other adverse effects

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

European List of Waste (LoW) code : 08 01 12 - waste paint and varnish other than those mentioned in 08 01 11

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SECTION 14: Transport information

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

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
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
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
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 : < 1 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

Not applicable

SECTION 16: Other information

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

SDS EU (REACH Annex II)

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