PROMASTOP®-FB / PROMASTOP®-FP

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 2/23/2022 Revision date: 5/28/2024 Supersedes version of: 2/23/2022 Version: 2.0

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

1.1. Product identifier

Product form : Article
Product name : PROMASTOP®-FB / PROMASTOP®-FP
Product group : Trade product

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

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier
Etex Building Performance GmbH
St.-Peter-Straße 25
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T +43 732 6912 0
info.at@etexgroup.com, www.promat.at

Other
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Eastern Road
GB BS20 0NE Bristol, Berkshire
UNITED KINGDOM
T +44 (0800) 373 636
marketinguk@promat.co.uk, www.promat.co.uk

Other
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fds.efbp@etexgroup.com, www.promat.fr

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NL 3991 CL Houten
THE NETHERLANDS
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Other
Promat s.r.o.
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Other
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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.

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 Msida MSD 2090 Msida	+356 2545 6508	
United Kingdom	NHS 111/NHS 24/NHS Direct		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

No additional information available

2.2. Label elements

According to EC directives or the corresponding national regulations there is no labelling obligation for this product.
No labelling applicable

2.3. Other hazards

Other hazards which do not result in classification : Handling and/or processing of this material may generate a dust which can cause mechanical
irritation of the eyes, skin, nose and throat. Persons already sensitised to diisocyanates may develop allergic reactions when using this
product.

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	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

Component	
1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : Reaction product of polyether polyol and isocyanates with additives

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,3,5-triazine-2,4,6-triamine; melamine substance listed as REACH Candidate	CAS-No.: 108-78-1 EC-No.: 203-615-4 EC Index-No.: 613-345-00-2	< 5	Carc. 2, H351 Repr. 2, H361f STOT RE 2, H373

Full text of H- and EUH-statements: see section 16

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.

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

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

First-aid measures after eye contact : Do not rub the eye. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately rinse with water for a prolonged period while holding the eyelids wide open. Consult an eye specialist.

First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Seek medical advice.

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

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use. Handling and/or processing of this material may generate a dust which can cause mechanical
irritation of the eyes, skin, nose and throat.

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. Carbon dioxide. Dry powder.
Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Ammonia (NH3).

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment.
Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.
Measures in case of dust release : Ensure adequate ventilation. Keep dust levels low. Do not breathe dust.

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 : Mechanically recover the product. 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 : Avoid dust formation. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety procedures.
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 : Store in a dry, cool and well-ventilated place. Protect against frost. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

PROMASTOP®-FB / PROMASTOP®-FP	
Ireland - Occupational Exposure Limits	
Assessed dust without specific effect (other particles, not classified anywhere else) (inhalable dust)	10 mg/m³
Assessed dust without specific effect (other particles, not classified anywhere else) (respirable dust)	4 mg/m³
United Kingdom - Occupational Exposure Limits	
Assessed dust without specific effect (other particles, not classified anywhere else) (inhalable dust)	10 mg/m³
Assessed dust without specific effect (other particles, not classified anywhere else) (respirable dust)	4 mg/m³

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

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	117 mg/kg bodyweight/day
Acute - systemic effects, inhalation	82.3 mg/m³
Long-term - systemic effects, dermal	11.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	8.3 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.42 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.5 mg/m³
Long-term - systemic effects, dermal	4.2 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.51 mg/l
PNEC aqua (marine water)	0.051 mg/l
PNEC aqua (intermittent, freshwater)	2 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	13.06 mg/kg dwt
PNEC sediment (marine water)	1.306 mg/kg dwt
PNEC (Soil)	
PNEC soil	2.312 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	22 mg/kg food

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Provide local exhaust or general room ventilation.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:
Avoid contact with eyes. Use safety glasses whenever tools are used and dusts are produced. Have eye wash bottle or eye rinse ready at work place.

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable work clothes. Wash contaminated clothing before reuse.

Hand protection:
Protective gloves according to EN ISO 374. Please observe the glove supplier's specifications regarding permeability and breakthrough time.

8.2.2.3. Respiratory protection

Respiratory protection:
Not required for normal conditions of use. Use appropriate respiratory equipment when exposures are likely or can be foreseen to exceed the Occupational Exposure Limits or Workplace Exposure Limits for the UK (e.g. for exposures up to 10 times the OEL (WEL) use at least a P2 type dust mask. For higher exposure, use a P3 type mask).

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

Other information:
Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Colour	:	Not available
Appearance	:	moulded part, flexible foam, elastic.
Odour	:	odourless.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not available
Explosive properties	:	No direct explosion hazard. If dust are formed : Risk of dust explosion.
Explosive limits	:	Not applicable
Lower explosion limit	:	Not applicable
Upper explosion limit	:	Not applicable

Flash point	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not available
pH	:	Not applicable
pH solution	:	Not available
Viscosity, kinematic	:	Not applicable
Solubility	:	Material nearly insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	180 – 750 kg/m³
Relative density	:	Not available
Relative vapour density at 20°C	:	Not applicable
Particle size	:	Not available

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 available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions. Material foams up at approximately 150°C.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Protect from humidity.

10.5. Incompatible materials

None known.

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 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
Additional information	:	Dust from this product may cause irritation to the respiratory tract

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
LD50 oral rat	3161 mg/kg
LD50 dermal rabbit	> 1000 mg/kg bodyweight
LC50 Inhalation - Rat (Dust/Mist)	> 5190 mg/l/4h

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
ATE CLP (oral)	3161 mg/kg bodyweight

Skin corrosion/irritation : Not irritating
pH: Not applicable

Serious eye damage/irritation : Not classified. Eye irritation by mechanical friction is possible.
pH: Not applicable

Respiratory or skin sensitisation : The material may contain residues of oligomeric MDI (methylene diphenyl diisocyanate). The substance is embedded in a polymer matrix, thereby sensitisation is not expected.

Germ cell mutagenicity : Not classified

Carcinogenicity : This article may contain a small amount of crystalline quartz. According to the International Agency for Research on Cancer (IARC Monographs 2012): “Crystalline silica inhaled in the form of quartz or cristobalite from occupational / workplace sources is carcinogenic to humans(Group 1).”. The material may contain residues of oligomeric MDI (methylene diphenyl diisocyanate). MDI is classified as is classified as carcinogenic category 2.

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
IARC group	2B - Possibly carcinogenic to humans

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
NOAEL (chronic, oral, animal/male, 2 years)	≈ 140 mg/kg bodyweight
Additional information	In animal studies carcinomas were observed at high doses in the bladder of male rats, caused by the formation of bladder stones and their constant irritation.

Reproductive toxicity : Reproductive toxicity: Not classified.

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
Additional information	The substance may cause damage to the testes after repeated ingestion (oral) of high doses, as shown in animal studies. The potential to impair fertility cannot be excluded.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Additional information	The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

Aspiration hazard : Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Other information : Toxicological data for the product are not available.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available on ecotoxicity.

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

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

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
LC50 - Fish [1]	> 3000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	200 mg/l Test organisms (species): Daphnia magna
EC50 96h - Algae [1]	325 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
LOEC (chronic)	> 11 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 11 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	≥ 5.1 mg/l Test organisms (species): Pimephales promelas Duration: '36 d'

12.2. Persistence and degradability

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
Persistence and degradability	Not readily biodegradable.

12.3. Bioaccumulative potential

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
BCF - Fish [1]	3.8 mg/kg
Partition coefficient n-octanol/water (Log Pow)	-1.22
Bioaccumulative potential	Not expected to bioaccumulate.

12.4. Mobility in soil

1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.3

12.5. Results of PBT and vPvB assessment

Component	
1,3,5-triazine-2,4,6-triamine; melamine (108-78-1)	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

Product/Packaging disposal recommendations : Disposal must be done according to official regulations. Contaminated packaging must be treated like the substance. Unpolluted and completely empty packaging can be sent for recycling.

European List of Waste (LoW, EC 2000/532) : Please refer to the European list (Decision N° 2000/532/CE) to identify the wastes appropriate waste number.
08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR)	:	Not regulated.
UN-No. (IMDG)	:	Not regulated.
UN-No. (IATA)	:	Not regulated.
UN-No. (ADN)	:	Not regulated.
UN-No. (RID)	:	Not regulated.

14.2. UN proper shipping name

Proper Shipping Name (ADR)	:	Not regulated.
Proper Shipping Name (IMDG)	:	Not regulated.
Proper Shipping Name (IATA)	:	Not regulated.
Proper Shipping Name (ADN)	:	Not regulated.
Proper Shipping Name (RID)	:	Not regulated.

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not regulated.

IMDG

Transport hazard class(es) (IMDG) : Not regulated.

IATA

Transport hazard class(es) (IATA) : Not regulated.

ADN

Transport hazard class(es) (ADN) : Not regulated.

RID

Transport hazard class(es) (RID) : Not regulated.

14.4. Packing group

Packing group (ADR)	:	Not regulated.
Packing group (IMDG)	:	Not regulated.
Packing group (IATA)	:	Not regulated.
Packing group (ADN)	:	Not regulated.
Packing group (RID)	:	Not regulated.

14.5. Environmental hazards

Dangerous for the environment	:	No
Marine pollutant	:	No
Other information	:	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. Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)

Not applicable.

REACH Annex XIV (Authorisation List)

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

REACH Candidate List (SVHC)

Contains substance(s) listed on the REACH Candidate List in concentrations above or equal to 0.1 %: 1,3,5-triazine-2,4,6-triamine; melamine (EC 203-615-4, CAS 108-78-1)

PIC Regulation (Prior Informed Consent)

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

POP Regulation (Persistent Organic Pollutants)

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.

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Indication of changes:
All chapters have been modified since the previous version.

Full text of H- and EUH-statements:	
Carc. 2	Carcinogenicity, Category 2
H351	Suspected of causing cancer.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.

Full text of H- and EUH-statements:	
Repr. 2	Reproductive toxicity, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

Safety Data Sheet applicable for regions : IE;MT;GB