# fischer 🗪 B1 GUNFOAM (PUP 750, PUFS)

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 02/08/2022 Version: 1.0

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

### 1.1. Product identifier

#### Product form Trade name Vaporizer

- : Mixture
- : B1 GUNFOAM (PUP 750, PUFS)
- : Aerosol

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

## 1.2.1. Relevant identified uses

Intended for general public Industrial/Professional use spec Use of the substance/mixture

: As from 24 August 2023 adequate training is required before industrial or professional use

United Kingdom of Great Britain and Northern Ireland

T +44 14 91 82 79 00 - F +44 14 91 82 79 53

info@fischer.co.uk - www.fischer.co.uk

: Polyurethane, polyurethane foam

Distributor

Whitely Road

fischer fixings UK Ltd

Oxon OX10 9AT Wallingford

#### 1.2.2. Uses advised against

No additional information available

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

#### Manufacture

fischerwerke GmbH & Co. KG Klaus-Fischer-Straße, 1 72178 Waldachtal Germany T +49(0)7443 12-0 - F +49(0)7443 12-4222 info-sdb@fischer.de - www.fischer.de

#### 1.4. Emergency telephone number

Emergency number

: +49(0)6132-84463 (24h)

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

Aerosol 1	H222;H229
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Resp. Sens. 1	H334
Skin Sens. 1	H317
Carc. 2	H351
STOT SE 3	H335
STOT RE 2	H373
Full toxt of bozord closess, U, and FUU statements; as	a aportion 16

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

#### Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. Harmful if inhaled. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP) Contains

Isocyanic acid, polymethylenepolyphenylene ester

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Hazard statements (CLP)	: H222 - Extremely flammable aerosol.
	H229 - Pressurised container: May burst if heated.
	H315 - Causes skin irritation.
	H317 - May cause an allergic skin reaction.
	H319 - Causes serious eye irritation.
	H332 - Harmful if inhaled.
	H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	H335 - May cause respiratory irritation.
	H351 - Suspected of causing cancer.
	H373 - May cause damage to organs through prolonged or repeated exposure.
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand.
	P102 - Keep out of reach of children.
	P210 - Keep away from heat, hot surfaces, sparks, open flames. No smoking.
	P211 - Do not spray on an open flame or other ignition source.
	P251 - Do not pierce or burn, even after use.
	P271 - Use only outdoors or in a well-ventilated area.
	P280 - Wear protective gloves, protective clothing/eye protection/face protection.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact
	lenses, if present and easy to do. Continue rinsing.
	P405 - Store locked up.
	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
	P501 - Dispose of contents/container to Collection point.
	P260 - Do not breathe dust, fume, gas, mist, vapours, spray.
EUH-statements	: EUH204 - Contains isocyanates. May produce an allergic reaction.
Extra phrases	: Without adequate ventilation formation of explosive mixtures may be possible.
	Persons already sensitised to diisocyanates may develop allergic reactions when using this product.
	Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact,
	with this product.
	This product should not be used under conditions of poor ventilation unless a protective mask with an
	appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.
	As from 24 August 2023 adequate training is required before industrial or professional use.
	As from 24 August 2023 adequate training is required before industrial of processional use.

#### 2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant - no registration required

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

The mixture does not contain substance(s) 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 at a concentration equal to or greater than 0,1 %

# **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]
Isocyanic acid, polymethylenepolyphenylene ester	CAS-No.: 9016-87-9 EC-No.: 618-498-9	60 – 80	Acute Tox. 4 (Inhalation), H332 (ATE=0.31 mg/l/4h) Acute Tox. 1 (Inhalation:vapour), H330 (ATE=0.31 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 EUH204
Reaction products of phosphoryl trichloride and 2- methyloxirane	CAS-No.: 1244733-77-4 EC-No.: 807-935-0 REACH-no: 01-2119486772-26	15 – 20	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight)

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dimethyl ether substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 115-10-6 EC-No.: 204-065-8 EC Index-No.: 603-019-00-8 REACH-no: 01-2119472128-37	5 – 10	Flam. Gas 1, H220 Press. Gas (Liq.), H280
Halogenated polyetherpolyol	CAS-No.: 68441-62-3 REACH-no: 01-2119533103-55	1 – 2.5	Acute Tox. 4 (Oral), H302 (ATE=1337 mg/kg bodyweight) Eye Irrit. 2, H319

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case. 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	: Take off immediately all contaminated clothing. IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.				
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.				
First-aid measures after skin contact	: Wash skin with plenty of water and soap. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.				
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.				
First-aid measures after ingestion	: Wash out mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Call a poison center or a doctor if you feel unwell.				
4.2 Most important symptoms and effects, both acute and delayed					

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

Symptoms/effects after inhalation	: May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if
	inhaled.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: 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	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the su	bstance or mixture
Fire hazard Explosion hazard Hazardous decomposition products in case of fire	<ul> <li>Extremely flammable aerosol.</li> <li>Pressurised container: May burst if heated.</li> <li>Toxic fumes may be released.</li> </ul>
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 water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures				
6.1. Personal precautions, protective equ	ipment and emergency procedures			
6.1.1. For non-emergency personnel				
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.			

#### 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

Avoid release to the environment.

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

Methods for cleaning up Other information Mechanically recover the product. Notify authorities if product enters sewers or public waters. Dispose of materials or solid residues at an authorized site.

## 6.4. Reference to other sections

For further information refer to section 13.

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Storage conditions

: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

## 7.3. Specific end use(s)

PU installation foams.

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

dimethyl ether (115-10-6)			
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	Dimethylether		
IOEL TWA	1920 mg/m <sup>3</sup>		
IOEL TWA [ppm]	1000 ppm		
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC		
United Kingdom - Occupational Exposure Limits			
Local name	Dimethyl ether		
WEL TWA (OEL TWA) [1]	766 mg/m³		
WEL TWA (OEL TWA) [2]	400 ppm		
WEL STEL (OEL STEL)	958 mg/m³		
WEL STEL (OEL STEL) [ppm]	500 ppm		
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

No additional information available

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## 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 symbol(s):



#### 8.2.2.1. Eye and face protection

Eye protection: Safety glasses

# 8.2.2.2. Skin protection

**Skin and body protection:** Wear suitable protective clothing

#### Hand protection:

Protective gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Butyl rubber	6 (> 480 minutes)	> 0,7		EN 374-2, EN 374-3
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	> 0,7		EN 374-2, EN 374-3

#### 8.2.2.3. Respiratory protection

#### **Respiratory protection:**

In the event of insufficient ventilation: Use self-contained breathing apparatus

Respiratory protection				
	Device	Filter type	Condition	Standard
		Type A - High-boiling (>65 °C) organic compounds		EN 140
		Filter AX (brown)		EN 14387

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

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
Colour	: Various colours.
Appearance	: Aerosol.
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Aerosol Not applicable

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Flammability	: Aerosol Not applicable
Explosive properties	: Pressurised container: May burst if heated.
Lower explosion limit	: 1.7 vol %
Upper explosion limit	: 18.6 vol %
Flash point	: Aerosol Not applicable
Auto-ignition temperature	: > 200 °C
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: Not available
Solubility	: Not miscible. Reacts with water.
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 6 bar
Vapour pressure at 50°C	: Not available
Density	: 1.06 g/cm <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

#### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

% of flammable ingredients

: 30 %

# 9.2.2. Other safety characteristics

No additional information available

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

#### 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Strong acids. Oxidizing agent. Strong bases. Water. alcohols. Amines.

#### **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 (dermal)	Not classified Not classified Harmful if inhaled.	
B1 GUNFOAM (PUP 750, PUFS)		
ATE CLP (dust,mist)	1.899 mg/l/4h	
lsocyanic acid, polymethylenepolyphenylene ester (9016-87-9)		
LD50 oral rat	> 10000 mg/kg (OECD 401 method)	
LD50 dermal rabbit	> 9400 mg/kg (OECD 402 method)	
LC50 Inhalation - Rat (Vapours)	0.31 mg/l/4h (OECD 403 method)	
dimethyl ether (115-10-6)		
LC50 Inhalation - Rat [ppm]	164000 ppm	

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Halogenated polyetherpolyol	(68441-62-3)
LD50 oral rat	1337 mg/kg (OECD 401 method)
Reaction products of phosph	oryl trichloride and 2-methyloxirane (1244733-77-4)
LD50 oral rat	632 mg/kg
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
lsocyanic acid, polymethylen	epolyphenylene ester (9016-87-9)
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
lsocyanic acid, polymethylen	epolyphenylene ester (9016-87-9)
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
lsocyanic acid, polymethylen	epolyphenylene ester (9016-87-9)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
B1 GUNFOAM (PUP 750, PUFS	•)
Vaporizer	Aerosol
lsocyanic acid, polymethylen	epolyphenylene ester (9016-87-9)
Viscosity, kinematic	> 161.551 mm²/s

#### 11.2. Information on other hazards

No additional information available

SECTIO	ON 12: Eco	logical in	formation
	JN 12. L00	logical in	ormation

# 10.4 Taxiait

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 rapidly degradable	Not classified	
Isocyanic acid, polymethylenepolyphe	nylene ester (9016-87-9)	
LC50 - Fish [1]	> 1000 mg/l Brachydanio rerio (zebra-fish)	
EC50 - Crustacea [1]	> 1000 mg/l Daphnia magna (Water flea)	
ErC50 algae	> 1640 mg/l Scenedesmus subspicatus	
NOEC chronic crustacea	> 10 mg/l Daphnia magna (Water flea)	
dimethyl ether (115-10-6)		
LC50 - Fish [1]	> 4.1 g/l Poecilia reticulata (Guppy)	
EC50 - Crustacea [1]	> 4.4 g/l Daphnia magna (Water flea)	
EC50 96h - Algae [1]	154917 mg/l	
Halogenated polyetherpolyol (68441-62-3)		
LC50 - Fish [1]	560 mg/l Poecilia reticulata (Guppy)	
EC50 - Crustacea [1]	520 mg/l	

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Halogenated polyetherpolyol (68441-62-3)		
EC50 96h - Algae [1]	> 1000 mg/l	
Reaction products of phosphoryl trichloride and 2-methyloxirane (1244733-77-4)		
LC50 - Fish [1]	56.2 mg/l Brachydanio rerio (zebra-fish)	
EC50 - Crustacea [1]	131 mg/l Daphnia magna (Water flea)	
EC50 72h - Algae [1]	82 mg/l Pseudokirchneriella subcapitata	
NOEC (chronic)	32 mg/l Daphnia magna (Water flea)	

## 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

lsocyanic acid, polymethylenepolyphenylene ester (9016-87-9)		
Bioconcentration factor (BCF REACH)	< 14 Cyprinus carpio (Common carp)	
Partition coefficient n-octanol/water (Log Pow)	10.46	
dimethyl ether (115-10-6)		
Partition coefficient n-octanol/water (Log Pow)	0.1	
Halogenated polyetherpolyol (68441-62-3)		
Partition coefficient n-octanol/water (Log Pow)	-0.03 – 3.3 Source: ECHA Chem	

## 12.4. Mobility in soil

dimethyl ether (115-10-6)	
Mobility in soil	27

## 12.5. Results of PBT and vPvB assessment

B1 Schaum (QF101GG)
PBT: not relevant – no registration required
vPvB: not relevant – no registration required

#### 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

Regional waste regulation Waste treatment methods Product/Packaging disposal recommendations Additional information European List of Waste (LoW, EC 2000/532)

- : Disposal must be done according to official regulations.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- : Discharging into rivers and drains is forbidden.
- : Special waste.
- : 08 05 01\* waste isocyanates
  - 16 05 04\* gases in pressure containers (including halons) containing dangerous substances
  - 17 06 04 insulation materials other than those mentioned in 17 06 01 and 17 06 03

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA		
ADR	IMDG	IATA
14.1. UN number or ID number		
UN 1950	UN 1950	UN 1950

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ADR	IMDG	ΙΑΤΑ
14.2. UN proper shipping name		
AEROSOLS	AEROSOLS	Aerosols, flammable
Transport document description		
UN 1950 AEROSOLS, 2.1, (D)	UN 1950 AEROSOLS, 2.1	UN 1950 Aerosols, flammable, 2.1
14.3. Transport hazard class(es)		
2.1	2.1	2.1
	2	2
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

No supplementary information available

### 14.6. Special precautions for user

Overland transport		
Classification code (ADR)	:	5F
Special provisions (ADR)	:	190, 327, 344, 625
Limited quantities (ADR)	:	11
Excepted quantities (ADR)	:	EO
Packing instructions (ADR)	:	P207, LP200
Special packing provisions (ADR)	:	PP87, RR6, L2
Mixed packing provisions (ADR)	:	MP9
Transport category (ADR)	:	2
Special provisions for carriage - Packages (ADR)	:	V14
Tunnel restriction code (ADR)	:	D
Transport by sea		
Special provisions (IMDG)	:	63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG)	:	P207, LP200
Special packing provisions (IMDG)	:	PP87, L2
EmS-No. (Fire)	:	F-D
EmS-No. (Spillage)	:	S-U
Air transport		
PCA packing instructions (IATA)	:	203
PCA max net quantity (IATA)	:	75kg
CAO packing instructions (IATA)	:	203
CAO max net quantity (IATA)	:	150kg
Special provisions (IATA)		A145, A167, A802
ERG code (IATA)	:	10L

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

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)

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

#### **REACH Annex XIV (Authorisation List)**

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

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#### **REACH Candidate List (SVHC)**

Contains no substance(s) listed on the REACH Candidate List

#### **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(s) listed on the POP list (Regulation EU 2019/1021 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 chemical safety assessment has been carried out

# **SECTION 16: Other information**

Abbreviations and acronyms:				
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways			
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road			
ATE	Acute Toxicity Estimate			
BCF	Bioconcentration factor			
BLV	Biological limit value			
BOD	Biochemical oxygen demand (BOD)			
COD	Chemical oxygen demand (COD)			
DMEL	Derived Minimal Effect level			
DNEL	Derived-No Effect Level			
EC-No.	European Community number			
EC50	Median effective concentration			
EN	European Standard			
IARC	International Agency for Research on Cancer			
ΙΑΤΑ	International Air Transport Association			
IMDG	International Maritime Dangerous Goods			
LC50	Median lethal concentration			
LD50	Median lethal dose			
LOAEL	Lowest Observed Adverse Effect Level			
NOAEC	No-Observed Adverse Effect Concentration			
NOAEL	No-Observed Adverse Effect Level			
NOEC	No-Observed Effect Concentration			
OECD	Organisation for Economic Co-operation and Development			
OEL	Occupational Exposure Limit			
PBT	Persistent Bioaccumulative Toxic			

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Abbreviations and acronyms:			
PNEC	Predicted No-Effect Concentration		
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail		
SDS	Safety Data Sheet		
STP	Sewage treatment plant		
ThOD	Theoretical oxygen demand (ThOD)		
TLM	Median Tolerance Limit		
VOC	Volatile Organic Compounds		
CAS-No.	Chemical Abstract Service number		
N.O.S.	Not Otherwise Specified		
vPvB	Very Persistent and Very Bioaccumulative		
ED	Endocrine disrupting properties		

Full text of H- and EUH-statements:					
Acute Tox. 1 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 1				
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4				
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4				
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4				
Aerosol 1	Aerosol, Category 1				
Carc. 2	Carcinogenicity, Category 2				
EUH204	Contains isocyanates. May produce an allergic reaction.				
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2				
Flam. Gas 1	Flammable gases, Category 1				
H220	Extremely flammable gas.				
H222	Extremely flammable aerosol.				
H229	Pressurised container: May burst if heated.				
H280	Contains gas under pressure; may explode if heated.				
H302	Harmful if swallowed.				
H315	Causes skin irritation.				
H317	May cause an allergic skin reaction.				
H319	Causes serious eye irritation.				
H330	Fatal if inhaled.				
H332	Harmful if inhaled.				
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.				
H335	May cause respiratory irritation.				
H351	Suspected of causing cancer.				
H373	May cause damage to organs through prolonged or repeated exposure.				
Press. Gas (Liq.)	Gases under pressure : Liquefied gas				
Resp. Sens. 1	Respiratory sensitisation, Category 1				
Skin Irrit. 2	Skin corrosion/irritation, Category 2				
Skin Sens. 1	Skin sensitisation, Category 1				
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2				
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation				

# Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:				
Aerosol 1	H222;H229	On basis of test data		
Acute Tox. 4 (Inhalation:dust,mist)	H332	Calculation method		
Skin Irrit. 2	H315	Calculation method		
Eye Irrit. 2	H319	Calculation method		
Resp. Sens. 1	H334	Calculation method		
Skin Sens. 1	H317	Calculation method		
Carc. 2	H351	Calculation method		
STOT SE 3	H335	Calculation method		
STOT RE 2	H373	Calculation method		

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.