Repaplast Primer

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
First edition: 4/10/2005 Last revision: 21/12/2022 Supersedes version of: 13/05/2022 Version: 9.1

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

1.1. Product identifier

Product form : Mixture

Name : Repaplast Primer

Product number : 02.0135.9999

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

1.2.1. Relevant identified uses

Main use category : Industrial use,Professional use

Use of the substance or preparation : Primer for significantly improved adhesion on plastics upon repairing, gluing, spray painting, etc. Also on many difficult plastics.

1.2.2. Uses advised against

No information available

1.3. Details of the supplier of the safety data sheet

PCS Innotec International NV
Schans 4
BE - 2480 Dessel
T.: +32 (0) 14 32 60 01
F.: +32 (0) 14 32 60 12
hse@innotec.eu

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
BIG : +32 (0) 14 58 45 45

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
Skin Irrit. 2	H315
Skin Sens. 1	H317
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

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

Adverse physicochemical, human health and environmental effects

No information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02 GHS07 GHS09

Signal word (CLP) : Danger

Contains : Methylcyclohexane; 3-trimethoxysilylpropane-1-thiol; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane; Reaction mass of ethylbenzene and xylene

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.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 - Do not spray on an open flame or other ignition source.
P251 - Pressurized container: Do not pierce or burn, even after use.
P261 - Avoid breathing spray, vapours.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

2.3. Other hazards

Contains no PBT/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)
Dimethyl ether	CAS number: 115-10-6 EINECS / ELINCS number: 204-065-8 EC Index-No.: 603-019-00-8 REACH-no: 01-2119472128-37	25 – 50	Flam. Gas 1A, H220 Press. Gas
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	CAS number: 92128-66-0 EINECS / ELINCS number: 921-024-6 REACH-no: 01-2119475514-35	25 – 50	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Methylcyclohexane	CAS number: 108-87-2 EINECS / ELINCS number: 203-624-3 REACH-no: 01-2119556887-18	10 – 25	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Reaction mass of ethylbenzene and xylene	EINECS / ELINCS number: 905-588-0 REACH-no: 01-2119486136-34, 01-2119488216-32	2,5 – 10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
3-trimethoxysilylpropane-1-thiol	CAS number: 4420-74-0 EINECS / ELINCS number: 224-588-5	1 – 2,5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Aquatic Chronic 2, H411
Ethylbenzene	CAS number: 100-41-4 EINECS / ELINCS number: 202-849-4 EC Index-No.: 601-023-00-4 REACH-no: 01-2119489370-35	0,1 – 1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
Chlorobenzene	CAS number: 108-90-7 EINECS / ELINCS number: 203-628-5 EC Index-No.: 602-033-00-1	0,1 – 0,25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Aquatic Chronic 2, H411

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Get medical advice/attention if you feel unwell.

Inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	: Gently wash with plenty of soap and water. Rinse with plenty of water.
Eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Ingestion	: Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.

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

Inhalation	: May cause drowsiness or dizziness.
Skin contact	: Causes skin irritation.

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

No information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Alcohol resistant foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions	: Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing.

6.1.1. For non-emergency personnel

Protective equipment	: Refer to protective measures listed in Sections 7 and 8.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This product and its container must be disposed of in a safe way, and as per local legislation. Do not flush with water.
Other information	: Provide adequate ventilation.

6.4. Reference to other sections

Stable in use and storage conditions as recommended in item 7. Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Do not spray on a naked flame or any incandescent material. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. In use, may form flammable vapour-air mixture. Do not pierce or burn, even after use.
Precautions for safe handling	: Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Provide good ventilation in process area to prevent formation of vapour. Take precautionary measures against static discharge. Eliminate all ignition sources if safe to do so.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	: Do not expose to temperatures exceeding 50 °C. Keep in fireproof place. Smoking is forbidden. Protect from sunlight. Store in a well-ventilated place. Store in a dry place. Keep away from ignition sources.

Technical condition(s)	: Store in a well-ventilated place. The floor of the depot should be impermeable and designed to form a water-tight basin.
Special rules on packaging	: Store in a closed container. Keep only in original container. Store under dry conditions.

7.3. Specific end use(s)

No information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Methylcyclohexane (108-87-2)	
Belgium - Occupational Exposure Limits	
Local name	Méthylcyclohexane
OEL TWA	1633 mg/m³
OEL TWA [ppm]	400 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020

Chlorobenzene (108-90-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Chlorobenzene
IOEL TWA	47 mg/m³
IOEL TWA [ppm]	10 ppm
IOEL STEL	94 mg/m³
IOEL STEL [ppm]	20 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
Belgium - Occupational Exposure Limits	
Local name	Chlorobenzène
OEL TWA	23 mg/m³
OEL TWA [ppm]	5 ppm
OEL STEL	70 mg/m³
OEL STEL [ppm]	15 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 19/11/2020

Dimethyl ether (115-10-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Dimethylether
IOEL TWA	1920 mg/m³
IOEL TWA [ppm]	1000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Belgium - Occupational Exposure Limits	
Local name	Oxyde de diméthyle
OEL TWA	1920 mg/m³
OEL TWA [ppm]	1000 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 11/05/2021

Ethylbenzene (100-41-4)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Ethylbenzene
IOEL TWA	442 mg/m³
IOEL TWA [ppm]	100 ppm

Ethylbenzene (100-41-4)	
IOEL STEL	884 mg/m³
IOEL STEL [ppm]	200 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Belgium - Occupational Exposure Limits	
Local name	Ethylbenzène
OEL TWA	442 mg/m³
OEL TWA [ppm]	100 ppm
OEL STEL	551 mg/m³
OEL STEL [ppm]	125 ppm
Remark	D

8.1.2. Recommended monitoring procedures
No information available

8.1.3. Air contaminants formed
No information available

8.1.4. DNEL and PNEC

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2035 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	699 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	608 mg/m³
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day

Reaction mass of ethylbenzene and xylene	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	289 mg/m³
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	77 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	1,6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	14,8 mg/m³
Long-term - systemic effects, dermal	108 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,327 mg/l
PNEC aqua (marine water)	0,327 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	12,46 mg/l
PNEC sediment (marine water)	12,46 mg/l
PNEC (Soil)	
PNEC soil	2,31 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	6,58 mg/l

8.1.5. Control banding
No information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls
Appropriate engineering controls:
Ensure that there is a suitable ventilation system.

8.2.2. Personal protection equipment
Personal protective equipment:
Safety glasses. Gloves. In case of inadequate ventilation wear respiratory protection.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection
Eye protection:
Wear security glasses which protect from splashes

8.2.2.2. Skin protection
Skin protection:
Wear suitable protective clothing

Hand protection:
Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. . Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

8.2.2.3. Respiratory protection
Respiratory protection:
Recommended: filter type AX/P2. Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV

8.2.2.4. Thermal hazards
No information available

8.2.3. Environmental exposure controls
No information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: pale.
Appearance	: Aerosol.
Odour	: characteristic.
Odour threshold	: Not available
Melting point/melting range	: Not available
Freezing point	: Not available
Boiling point/range	: Not applicable, since the product is an aerosol.
Flammability	: Not available
Explosive limits	: 0,8 – 18,6 vol %
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable, since the product is an aerosol.
Auto-ignition temperature	: Not self-igniting

Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: ≤ 20,5 mm²/s 40°C
Solubility	: Water: Practically not miscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 5200 hPa (20 °C)
Vapour pressure at 20 °C	: Not available
Density	: Not available
Relative density (water = 1)	: 0,714 (20 °C)
Vapour density	: Not available
Particle characteristics	: Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Explosion limits : 0,8 – 18,6 vol %

9.2.2. Other safety characteristics

V.O.C. (V.O.S.) : 692,2 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. In use, may form flammable/explosive vapour-air mixture.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No information available

10.4. Conditions to avoid

No information available

10.5. Incompatible materials

No information available

10.6. Hazardous decomposition products

No information available

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

3-trimethoxysilylpropane-1-thiol (4420-74-0)	
LD50/oral/rat	> 849 mg/kg
LD50/dermal/rabbit	> 1921 mg/kg

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
LD50/oral/rat	> 5840 mg/kg
LD50/dermal/rabbit	> 2920 mg/kg
LC50/inhalation/4h/rat	> 25 mg/l

Ethylbenzene (100-41-4)	
LD50/oral/rat	3500 – 4700 mg/kg
LC50 Inhalation - Rat (Vapours)	17,4 mg/l/4h

Reaction mass of ethylbenzene and xylene	
LD50/oral/rat	4300 mg/kg
LD50/dermal/rabbit	2000 mg/kg

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : May cause drowsiness or dizziness.

Methylcyclohexane (108-87-2)	
STOT-single exposure	May cause drowsiness or dizziness.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
STOT-single exposure	May cause drowsiness or dizziness.

Reaction mass of ethylbenzene and xylene	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Ethylbenzene (100-41-4)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Reaction mass of ethylbenzene and xylene	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : May be fatal if swallowed and enters airways.

Repaplast Primer	
Viscosity, kinematic	≤ 20,5 mm²/s 40°C

11.2. Information on other hazards

No information available

SECTION 12: Ecological information

12.1. Toxicity

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

Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Methylcyclohexane (108-87-2)	
LC50 - Fish [2]	5 mg/l (48h)

3-trimethoxysilylpropane-1-thiol (4420-74-0)	
LC50 - Fish [2]	12,3 mg/l
EC50/48h/daphnia magna	6,7 mg/l

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
LC50/96h/fish	11,4 mg/l (Oncorhynchus mykiss)
EC50/48h/daphnia magna	3 mg/l
EC50 - Other aquatic organisms [1]	30 – 100 mg/l (72h, Pseudokirchneriella subcapitata)
LOEC (chronic)	0,32 mg/l (21 days, Daphnia magna)
NOEC (chronic)	0,17 mg/l (21 days, Daphnia magna)

Ethylbenzene (100-41-4)	
LC50/96h/fish	4,2 mg/l (Oncorhynchus mykiss, OECD 203)
ErC50 algae	0 – 5,4 mg/l (72h, Pseudokirchneriella subcapitata, OECD 201)

Reaction mass of ethylbenzene and xylene	
LC50/96h/fish	8,9 – 16,4 mg/l
EC50/48h/daphnia magna	3,2 – 9,5 mg/l
NOEC (acute)	1,3 mg/l fish
NOEC (chronic)	16 mg/l Bacteria
NOEC chronic fish	0,96 mg/l Daphnia magna, 7 days

Reaction mass of ethylbenzene and xylene	
NOEC chronic algae	0,44 mg/l 72h

12.2. Persistence and degradability
No information available

12.3. Bioaccumulative potential
No information available

12.4. Mobility in soil
No information available

12.5. Results of PBT and vPvB assessment
No information available

12.6. Endocrine disrupting properties
No information available

12.7. Other adverse effects
Other adverse effects : Toxic to fish.

Additional information : Avoid release to the environment. Danger to drinking water, even if small amounts leak into the subsoil. Also poisonous for fish and plankton in water bodies. Toxic to aquatic organisms

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Regional legislation (waste) : Disposal must be done according to official regulations.

Waste / unused products : Waste and empty containers must be managed according to relevant local regulations. Do not dispose of with domestic waste.

European List of Waste (LoW) code : 14 06 03* - other solvents and solvent mixtures
15 01 04 - metallic packaging

SECTION 14: Transport information
In accordance with ADR / IMDG / IATA

14.1. UN number or ID number
UN-No. (ADR) : UN 1950

UN-No. (IMDG) : UN 1950

UN-No. (IATA) : UN 1950

14.2. UN proper shipping name
Proper Shipping Name (ADR) : AEROSOLS, flammable

Proper Shipping Name (IMDG) : AEROSOLS

Proper Shipping Name (IATA) : Aerosols, flammable

Transport document description (ADR) : UN 1950 AEROSOLS, flammable, 2.1, (D)

Transport document description (IMDG) : UN 1950 AEROSOLS, 2

Transport document description (IATA) : UN 1950 Aerosols, flammable, 2.1

14.3. Transport hazard class(es)
ADR

Transport hazard class(es) (ADR) : 2.1

Danger labels (ADR) : 2.1

:



IMDG

Transport hazard class(es) (IMDG) : 2.1

Danger labels (IMDG) : 2.1

:



IATA

Transport hazard class(es) (IATA) : 2.1

Danger labels (IATA) : 2.1

:



14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : Yes (Environmentally hazardous substances derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.)

Marine pollutant : Yes (IMDG 5.2.1.6.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg))

Further information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F

Limited quantities (ADR) : 1l

Transport category (ADR) : 2

Tunnel restriction code : D

Transport by sea

Limited quantities (IMDG) : 1 L

Air transport

No data available

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)

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)

VOC Directive (2004/42)

V.O.C. (V.O.S.) : 692,2 g/l

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 information available

15.2. Chemical safety assessment
No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
	Last revision		
	Supersedes		
2.3			
8.1			
8.2			
9.1			
9.2			
11.2.			
12.6			
12.7			
15			
16			

Abbreviations and acronyms:	
	ACGIH = American Conference of Governmental Industrial Hygienists
	ADR = Accord européen sur le transport des marchandises dangereuses par Route
	ATE = Acute Toxicity Estimate
	CAS = Chemical Abstracts Service
	CLP = Classification, labelling and packaging
	CSR = Chemical Safety Report
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No-Effect Level
	DPD = Dangerous Preparation Directive
	DSD = Dangerous Substance Directive
	EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	HTP = Haitallisiksi tunnetut pitoisuudet
	IATA = International Air Transport Association
	ICAO = International Civil Aviation Organization
	IMDG = International Maritime Code for Dangerous Goods
	IOELV = Indicative Occupational Exposure Limit Value (EU)
	LC50 = Lethal concentration, 50 percent
	LD50 = Lethal dose, 50 percent
	LEL = Lower Explosion Limit
	MAK = Maximale Arbeitsplatzkonzentrationen

Abbreviations and acronyms:	
	MAL-kode = Måleteknisk Arbejdshygiejnisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSCh = Najwyższe Dopuszczalne Stężenie Chwilowe
	OEL = Occupational Exposure Limits
	PBT = Persistent, bioaccumulative and toxic
	PNEC = Predicted No-Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	STEL = Short term exposure limit
	RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
	STOT RE = specific target organ toxicity repeated exposure
	STOT SE = specific target organ toxicity single exposure
	SVHC = Substance of Very High Concern
	TLV = Threshold Limit Value
	TRGS = Technischen Regeln für Gefahrstoffe
	TWA = time weighted average
	UEL = Upper Explosion Limit
	VLA-EC = valores límite ambientales para la exposición de corta duración
	VLA-ED = valores límite ambientales para la exposición diaria
	VLE = Valeur Limite d'exposition
	VME = Valeur Limite de Moyenne d'exposition
	VOC = Volatile Organic Compounds
	vPvB = very Persistent and very Bioaccumulative
	WGK = Wassergefährdungsklasse

Full text of H- and EUH-statements:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.

Full text of H- and EUH-statements:	
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Press. Gas	Gases under pressure
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, Narcosis

Disclaimer with regard to REACH:
The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:
The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.