

PLASTIC PROTECTOR (600ML)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 10/19/2021 Revision date: 10/29/2021 Supersedes version of: 10/19/2021 Version: 1.1

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

1.1. Product identifier

Product form : Mixture
Trade name : PLASTIC PROTECTOR (600ML)
UFI : FVCC-T08J-K00X-DVGA
Product code : 4110
Type of product : Cleaning product
Vaporizer : Container fitted with a sealed spray attachment

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 : Cleaning agent

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Pro Part International
Molenakker , 3
5953 TW Reuver – Limburg
Nederland
T +31 (0) 77 476 2204
info@propart-international.com - www.propart-international.com

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aerosol, Category 1	H222;H229
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Aspiration hazard, Category 1	H304
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: PENTANE, PROPAN-2-OL , HYDROCARBONS, C10-C13, N-ALKANES, ISOLKANES, CYCLICS, <2% AROMATICS

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Hazard statements (CLP)	: H222 - Extremely flammable aerosol. H229 - Pressurised container: May burst if heated. H319 - Causes serious eye irritation. 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 - Do not pierce or burn, even after use. P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor. Do NOT induce vomiting. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P391 - Collect spillage. P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Other hazards which do not result in classification : The product does not meet the PBT and vPvB classification criteria.

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

Component	
HYDROCARBONS, C10-C13, N-ALKANES, ISOLKANES, CYCLICS, <2% AROMATICS	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

SECTION 3: Composition/information on ingredients

3.1. Substances

No data available

3.2. Mixtures

Comments : Mixture of active substance with propellant gas.

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
BUTANE (CONTAINING < 0,1% BUTADIENE (203-450-8))	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-01-8 REACH-no: 01-2119474691-32	25 – 50	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
PENTANE substance with a Community workplace exposure limit	CAS-No.: 109-66-0 EC-No.: 203-692-4 EC Index-No.: 601-006-00-1 REACH-no: 01-2119459286-30	25 – 50	Flam. Liq. 1, H224 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
PROPAN-2-OL substance with a Community workplace exposure limit	CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	10 – 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
PROPANE	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5 REACH-no: 01-2119486944-21	2.5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
ISOBUTANE (CONTAINS <0,1% BUTADIENE	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395-27	2.5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
HYDROCARBONS, C10-C13, N-ALKANES, ISOLKANES, CYCLICS, <2% AROMATICS substance with a Community workplace exposure limit	EC-No.: 918-481-9 REACH-no: 01-2119457273-39	2.5 – 10	Asp. Tox. 1, H304
QUATERNARY AMMONIUM COMPOUNDS, C12-14 (EVEN-NUMBERED)-ALKYLETHYLDIMETHYL, ETHYL SULPHATES	CAS-No.: 1474044-65-9 EC-No.: 939-607-9	0.25 – 1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Comments

: Aliphatic hydrocarbons: >=30%
Perfume: < 5%
For aerosol containers fitted with a fixed atomizer containing substances or mixtures classified as hazardous by aspiration, no labeling for that hazard is required

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 after inhalation : Allow affected person to breathe fresh air. In all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after skin contact : In general, the product is not irritating to the skin.

First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Get immediate medical advice/attention.

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

Symptoms/effects : No available data.

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. Carbon dioxide. alcohol-resistant foam.

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

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5.2. Special hazards arising from the substance or mixture

Reactivity in case of fire : No information available.

5.3. Advice for firefighters

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 : Use protective clothing. Keep public away.

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 contaminate ground and surface water. Notify authorities if product enters sewers or public waters. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Ensure adequate air ventilation. Do not flush with water or aqueous cleansing agents.

6.4. Reference to other sections

Stable under recommended handling and storage conditions (see section 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 sources of ignition - No smoking. Take precautionary measures against static discharge. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Precautions for safe handling : Provide sufficient air exchange and/or exhaust.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : The government provisions with regard to the storage of compressed gas packings must be observed. Store tightly closed in a dry and cool place. Protect from heat and direct sunlight.

Information on mixed storage : The government provisions with regard to the storage of compressed gas packings must be observed.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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PROPANE (74-98-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	1800 mg/m ³
IOEL TWA [ppm]	1000 ppm
ISOBUTANE (CONTAINS <0,1% BUTADIENE (75-28-5)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	2400 mg/m ³
PENTANE (109-66-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Pentane
IOEL TWA	1800 mg/m ³ BGW / WGW long term
IOEL TWA [ppm]	600 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
Netherlands - Occupational Exposure Limits	
Local name	n-Pentaan
TGG-8u (OEL TWA)	1800 mg/m ³
Regulatory reference	Arbeidsomstandighedenregeling 2021
PROPAN-2-OL (67-63-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL TWA	650 mg/m ³
IOEL TWA [ppm]	250 ppm
Netherlands - Occupational Exposure Limits	
TRGS 903	Biological limit values 650 mg/m ³ , 250 ppm
HYDROCARBONS, C10-C13, N-ALKANES, ISOLKANES, CYCLICS, <2% AROMATICS	
EU - Indicative Occupational Exposure Limit (IOEL)	
IOEL STEL	1200 mg/m ³
IOEL STEL [ppm]	184 ppm

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

PENTANE (109-66-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	432 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3000 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	214 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	643 mg/m ³

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PENTANE (109-66-0)	
Long-term - systemic effects, dermal	214 mg/kg bodyweight/day
PROPAN-2-OL (67-63-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	500 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m ³
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day

Additional information : The basis of the information is the data that were valid when compiled.

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment:

Gloves. Protective goggles.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses. EN 166

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing. EN-13034/6

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent). Solvent-resistant gloves. Choose glove material taking into account the penetration times, the permeation degrees and the degradation. Since the product consists of several substances, the durability of the glove material cannot be estimated and needs to be tested before use. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Nitrile rubber gloves. Layer thickness : > 0,5 mm. For continuous contact, we recommend gloves with a breakthrough time of at least 240 minutes, with a breakthrough time of more than 480 minutes being preferred. We recommend the same for short-term work or splash protection. We are aware that suitable gloves that provide this level of protection may not be available. In that case, a shorter breakthrough time may be acceptable, as long as the procedures for appropriate maintenance and timely replacement are followed. The thickness of the glove is not a good measure of the glove's resistance to a chemical, as it depends on the exact composition of the material the gloves are made of. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer.

Other skin protection

Materials for protective clothing:

Wear suitable protective clothing. EN-13034/6

8.2.2.3. Respiratory protection

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Filter mask for gases, vapors and small particles. Filter A2/P2

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8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Other information:

Wash hands before breaks and after work. Do not breathe gas/vapour/aerosol.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Gas
Colour	: Colourless.
Appearance	: Aerosol.
Odour	: Peach.
Odour threshold	: Not determined.
Melting point	: Not determined.
Freezing point	: Not determined.
Boiling point	: -44.5 °C
Flammability	: Not applicable.
Explosive properties	: The product is not explosive, but the formation of explosive vapor / air mixtures is possible.
Explosive limits	: Not available
Lower explosive limit (LEL)	: 0.7 vol %
Upper explosive limit (UEL)	: 12 vol %
Flash point	: -97 °C Ignition temperature > 236°C
Auto-ignition temperature	: The product does not ignite on its own
Decomposition temperature	: Not available
pH	: Substance/mixture is non-polar/aprotic
Viscosity, kinematic	: ≤ 20.5 mm²/s 40° C(L)
Viscosity, dynamic	: Not determined.
Solubility	: Water: Not or slightly miscible with water Organic solvent:94,3 %
Partition coefficient n-octanol/water (Log Kow)	: Not available
Partition coefficient n-octanol/water (Log Pow)	: Not determined.
Vapour pressure	: 2100 hPa at 20 ° C
Vapour pressure at 50 °C	: Not available
Density	: 0.625 g/cm³ at 20 °C
Relative density	: Not determined.
Relative vapour density at 20 °C	: Not determined.
Particle size	: No data available
Particle size distribution	: No data available
Particle shape	: No data available
Particle aspect ratio	: No data available
Particle aggregation state	: No data available
Particle agglomeration state	: No data available
Particle specific surface area	: No data available
Particle dustiness	: No data 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

VOC content	: VOC-CH: 94,36 % VOC-EU: 94,3 % / 589,6 g/l
Other properties	: Solids content: 5,3%
Pressurised container	: May burst if heated.
Additional information	: Extremely flammable aerosol.

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SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No degradation when used as directed.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Store away from direct sunlight or other heat sources. Water, humidity.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

PENTANE

LD50 oral	> 5000 mg/kg (rat)
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PROPAN-2-OL

LD50 oral rat	5840 mg/kg
LD50 dermal rabbit	13900 mg/kg
LC50 Inhalation - Rat	25 mg/l (4h)

HYDROCARBONS, C10-C13, N-ALKANES, ISOLKANES, CYCLICS, <2% AROMATICS

LD50 oral rat	> 5000 mg/kg
LD50 dermal	> 5000 mg/kg (rabbit)
LC50 Inhalation - Rat (Vapours)	4951 mg/l/4h

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: Substance/mixture is non-polar/aprotic

Serious eye damage/irritation : Causes serious eye irritation.
pH: Substance/mixture is non-polar/aprotic

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)

STOT-single exposure : May cause drowsiness or dizziness.

PENTANE

STOT-single exposure	May cause drowsiness or dizziness.
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STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

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QUATERNARY AMMONIUM COMPOUNDS, C12-14 (EVEN-NUMBERED)-ALKYLETHYLDIMETHYL, ETHYL SULPHATES (1474044-65-9)

NOAEL (dermal, rat/rabbit, 90 days)	10 mg/kg bodyweight Animal: rabbit
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Aspiration hazard : May be fatal if swallowed and enters airways.

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Vaporizer	Container fitted with a sealed spray attachment
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Viscosity, kinematic	≤ 20.5 mm ² /s 40° C(L)
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11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : No information available

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

PENTANE (109-66-0)

LC50 - Fish [1]	4.26 mg/l Oncorhynchus mykiss (Rainbow trout) (96h)
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EC50 - Crustacea [1]	2.7 mg/l Daphnia magna (Water flea) (48h)
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EC50 72h - Algae [1]	10.7 mg/l Pseudokirchneriella Subcapitata (72h)
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NOEC chronic algae	7.51 mg/l (Pseudokirchneriella subcapitata)(72h)
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PROPAN-2-OL (67-63-0)

LC50 - Fish [1]	9640 mg/l
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LC50 - Other aquatic organisms [1]	9714 mg/l (Daphnia magna (Water flea), 24h)
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LOEC (chronic)	1000 mg/l algae (8 days)
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HYDROCARBONS, C10-C13, N-ALKANES, ISOLKANES, CYCLICS, <2% AROMATICS

LC50 - Other aquatic organisms [1]	1000 mg/l (96h)
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EC50 - Crustacea [1]	1000 mg/l Daphnia magna (Water flea)(48h)
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EC50 72h - Algae [1]	1000 mg/l Pseudokirchneriella subcapitata(72h)
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12.2. Persistence and degradability

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Persistence and degradability	Not readily biodegradable.
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12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Pow)	Not determined.
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Bioaccumulative potential	No bioaccumulation data available.
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12.4. Mobility in soil

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Mobility in soil	No information available
Ecology - soil	Water hazard: EN. A (2). Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Hazardous to water (WGK 2(D)Self classification). Do not discharge into groundwater, into surface water or into drains. Danger to drinking water even if small amounts leak into the ground. Also poisonous to fish and plankton in surface water. Toxic for aquatic organisms.

12.5. Results of PBT and vPvB assessment

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Results of PBT assessment	The product does not meet the PBT and vPvB classification criteria
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12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : 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

12.7. Other adverse effects

Other adverse effects : Toxic to fish.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not dispose of with domestic waste. Do not flush down sewers.
Product/Packaging disposal recommendations : Disposal must be done according to official regulations.
HP Code : HP3 - "Flammable:"
— flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
— flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
— flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
— flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
— water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
— other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950	No data available

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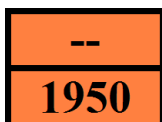
ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS (Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethylidimethyl, ethyl sulphates, PENTANES Marine pollutant (IMDG))	Aerosols, flammable	AEROSOLS	No data available
Transport document description				
UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS (Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethylidimethyl, ethyl sulphates, PENTANES Marine pollutant (IMDG)), 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS	No data available
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	No data available
				No data available
14.4. Packing group				
No data available	No data available	No data available	No data available	No data available
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	No data available
This product contains hazardous components for the environment, PENTANE				

14.6. Special precautions for user

Special transport precautions : Aerosol warning.

Overland transport

Classification code (ADR) : 5F
Limited quantities (ADR) : 1I
Excepted quantities (ADR) : E0
Transport category (ADR) : 2
Hazard identification number (Kemler No.) : --
Orange plates :



Tunnel restriction code (ADR) : D

Transport by sea

Limited quantities (IMDG) : 1 L
Excepted quantities (IMDG) : E0
EmS-No. (Fire) : F-D
EmS-No. (Spillage) : S-U

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Stowage and handling (IMDG) : SW1, SW2
Segregation (IMDG) : SG69

Air transport

No data available

Inland waterway transport

Classification code (ADN) : 5F
Limited quantities (ADN) : 1 L
Excepted quantities (ADN) : E0
Number of blue cones/lights (ADN) : 1

Rail transport

No data available

14.7. Maritime transport in bulk according to IMO instruments

IBC code : No data available.

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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content : VOC-CH: 94,36 % VOC-EU: 94,3 % / 589,6 g/l

Other information, restriction and prohibition regulations : Qualifying quantity (tonnes) for applications of requirements for low-threshold devices: 150 t.
Qualifying quantity (tonnes) for application of requirements for high-threshold devices: 500 t.

Directive 2012/18/EU (SEVESO III)

Seveso Additional information : P3a :Flammable aerosol. E2: Hazardous to the aquatic environment.

15.1.2. National regulations

Klasse NK : 75 -<100 %

Water Hazard Class: 2 (D) Hazardous to water in general

Danish MAL code : 3-6

France	
Occupational diseases	
Code	Description: Cleaning agent
RG 84	Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK: 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

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Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – : None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Switzerland

Storage class (LK) : LK 2 - Liquefied or pressurized gases

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).

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes version of	Added	
	Revision date	Modified	
	Indication of changes	Added	
	Adverse effects on the environment caused by endocrine disrupting properties	Added	
	Comments (below composition)	Added	
	Vaporizer	Added	
	Hazardous to the aquatic environment, short-term (acute) - comment	Added	
	Issue date	Modified	
	Regulatory framework	Modified	
1.1	Trade name	Modified	
1.1	Name	Modified	
1.1	Product code	Modified	
1.2	Use of the substance/mixture	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.2	EUH-statements	Added	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures after skin contact	Modified	
4.1	First-aid measures after eye contact	Modified	
4.2	Symptoms/effects	Modified	
4.3	Other medical advice or treatment	Modified	
5.2	Reactivity in case of fire	Modified	

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Indication of changes			
Section	Changed item	Change	Comments
5.3	Protection during firefighting	Modified	
6.2	Environmental precautions	Modified	
7.2	Storage conditions	Modified	
7.3	Specific end uses	Modified	
8.2	Personal protective equipment	Added	
8.2	Skin and body protection	Added	
8.2	Eye protection	Modified	
8.2	Materials for protective clothing	Added	
8.2	Hand protection	Modified	
8.2	Respiratory protection	Modified	
8.2	Other information	Added	
9.1	Viscosity, kinematic	Modified	
9.1	pH	Modified	
9.1	Density	Modified	
9.1	Appearance	Added	
9.1	Solubility in water	Added	
9.1	Solubility in organic solvents	Modified	
9.1	Upper explosive limit (UEL)	Modified	
9.1	Lower explosive limit (LEL)	Modified	
9.1	Vapour pressure	Modified	
9.1	Flash point	Modified	
9.1	Odour	Modified	
9.1	Colour	Modified	
9.2	Specific conductivity	Added	
9.2	Additional information	Added	
9.2	VOC content	Modified	
10.1	Reactivity	Modified	
10.4	Conditions to avoid	Modified	
10.5	Incompatible materials	Modified	
11.1	Reason for no classification	Added	
12.2	Persistence and degradability	Modified	
12.3	Bioaccumulative potential	Modified	
12.4	Mobility in soil	Modified	
12.4	Ecology - soil	Modified	
12.6	Other adverse effects	Modified	
13.1	HP Code	Modified	
14.5	Other information	Added	
15.1	VOC content	Modified	

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Indication of changes			
Section	Changed item	Change	Comments
15.1	Regulatory reference	Modified	
16	Other information	Added	

Abbreviations and acronyms:	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
DNEL	Derived-No Effect Level
LC50	Median lethal concentration
LD50	Dose leading to death in 50% of a test population (median lethal dose)
PBT	Persistent Bioaccumulative Toxic

Data sources

: These data are based on the current state of our knowledge. However, they do not provide a guarantee of product properties and do not establish a contractual legal relationship.

Other information

: **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.

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Full text of H- and EUH-statements:	
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

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.