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

1.1. Product identifier

Product form : Mixture
Trade name/ designation Vaporizer : Parts Cleaner
: 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
Main use category : Industrial use,Professional use,Consumer use
Use of the substance/mixture : Cleaner

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

JX Nippon Oil & Energy Europe Limited
2F Bury House, 31 Bury Street, London, EC3A 5AR, UK
T +44 20 7186 0400
info@jxeurope.com

1.4. Emergency telephone number

Emergency number : +44 20-7186-400
Only available during office hours.

Country	Official advisory body	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	Beaumont Hospital Beaumont Road 9 Dublin	+353 1 809 21 66 (public, 8am - 10pm, 7/7) +353 01 809 2566 (Professionals, 24/7)
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0844 892 0111 (UK only, 24/7, healthcare professionals only)

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
STOT SE 3	H335
STOT SE 3	H336
Aquatic Chronic 2	H411

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

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS09

Signal word : Danger

Hazardous ingredients : Hydrocarbons, C9, aromatics

Hazard statements (CLP) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H335 - May cause respiratory 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.
P261 - Avoid breathing spray.
P271 - Use only outdoors or in a well-ventilated area.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403 - Store in a well-ventilated place.
P331 - Do NOT induce vomiting.
P301+P310 - IF SWALLOWED: immediately call a POISON CENTER or doctor/physician.
P280 - Wear protective clothing, eye protection.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.
P501 - Dispose of container, contents to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.

2.3. Other hazards

Other hazards : Vapours can form explosive mixtures with air. Results of PBT and vPvB assessment : Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C9, aromatics	(EC-No.) 918-668-5 (REACH-no) 01-2119455851-35-XXXX	50 - 75	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Butane	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index) 601-004-00-0 (REACH-no) 01-2119474691-32-XXXX	10 - 25	Flam. Gas 1, H220 Press. Gas (Liq.), H280

Propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index) 601-003-00-5 (REACH-no) 01-2119486944-21-XXXX	2,5 - 10	Flam. Gas 1, H220 Press. Gas (Comp.), H280
n-butyl acetate	(CAS-No.) 123-86-4 (EC-No.) 204-658-1 (EC Index) 607-025-00-1 (REACH-no) 01-2119485493-29-XXXX	2,5 - 10	Flam. Liq. 3, H226 STOT SE 3, H336
1-methoxy-2-propanol, monopropylene glycol methyl ether	(CAS-No.) 107-98-2 (EC-No.) 203-539-1 (EC Index) 603-064-00-3 (REACH-no) 01-2119457435-35-XXXX	2,5 - 10	Flam. Liq. 3, H226 STOT SE 3, H336

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice : First aider: Pay attention to self-protection. Concerning personal protective equipment to use, see section 8. Never give anything by mouth to an unconscious person. In case of doubt or persistent symptoms, consult always a physician. Show this safety data sheet to the doctor in attendance.

Inhalation : Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, consult always a physician.

Skin contact : Take off contaminated clothing. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, consult always a physician.

Eyes contact : Rinse immediately carefully and thoroughly with eye-bath or water. In case of doubt or persistent symptoms, consult always a physician.

Ingestion : Rinse mouth thoroughly with water. Get medical advice/attention. Do not induce vomiting.

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

Inhalation : May cause respiratory irritation. May cause drowsiness or dizziness. The following symptoms may occur: Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Skin contact : May cause skin irritation.

Eyes contact : May cause eye irritation.

Ingestion : May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

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 : carbon dioxide (CO_2), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Extremely flammable aerosol. Ignition risk. Vapours are heavier than air and may spread along floors. Aerosol cans may rupture and become projectiles. Do not spray on a naked flame or any incandescent material. On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks.

Explosion hazard : In use may form an explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO_2).

5.3. Advice for firefighters

Firefighting instructions : Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information : Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel : Evacuate unnecessary personnel. Keep upwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Do not breathe aerosol. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.

6.1.2. For emergency responders

For emergency responders : Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so.

Methods for cleaning up : Leave evaporate and disperse. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

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

Precautions for safe handling : Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Do not breathe vapours. Do not breathe aerosol. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Remove all sources of ignition. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not spray on an open flame or other ignition source.

Hygiene measures : Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions	:	Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.
Incompatible substances or mixtures	:	Strong bases. Strong acids. Strong oxidizing agents.
Storage temperature	:	<= 50 °C
Heat and ignition sources	:	Keep away from open flames, hot surfaces and sources of ignition. Keep out of direct sunlight. Do not smoke.
Special rules on packaging	:	Keep in properly labelled containers.
Packaging materials	:	Keep only in the original container.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Butane (106-97-8)		
Austria	MAK (mg/m³)	1900 mg/m³
Austria	MAK (ppm)	800 ppm
Austria	MAK Short time value (mg/m³)	3800 mg/m³
Austria	MAK Short time value (ppm)	1600 ppm
Belgium	Limit value (ppm)	1000 ppm (gas)
Bulgaria	OEL TWA (mg/m³)	1900 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	1450 mg/m³ 22 mg/m³ (containing >=0.1% 1,3-Butadiene)
Croatia	GVI (granična vrijednost izloženosti) (ppm)	600 ppm 10 ppm (containing >=0.1% 1,3-Butadiene)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	1810 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	750 ppm
Denmark	Grænseværdie (langvarig) (mg/m³)	1200 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	500 ppm
Estonia	OEL TWA (mg/m³)	1500 mg/m³
Estonia	OEL TWA (ppm)	800 ppm
Finland	HTP-arvo (8h) (mg/m³)	1900 mg/m³
Finland	HTP-arvo (8h) (ppm)	800 ppm
Finland	HTP-arvo (15 min)	2400 mg/m³
Finland	HTP-arvo (15 min) (ppm)	1000 ppm
France	VME (mg/m³)	1900 mg/m³
France	VME (ppm)	800 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	2400 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Greece	OEL TWA (mg/m³)	2350 mg/m³
Greece	OEL TWA (ppm)	1000 ppm
Hungary	AK-érték	2350 mg/m³
Hungary	CK-érték	9400 mg/m³
Ireland	OEL (8 hours ref) (ppm)	1000 ppm
Ireland	OEL (15 min ref) (ppm)	3000 ppm (calculated)

Butane (106-97-8)		
Latvia	OEL TWA (mg/m³)	300 mg/m³
Poland	NDS (mg/m³)	1900 mg/m³
Poland	NDSCh (mg/m³)	3000 mg/m³
Slovenia	OEL TWA (mg/m³)	2400 mg/m³ (containing >=0.1% Butadiene)
Slovenia	OEL TWA (ppm)	1000 ppm (containing >=0.1% Butadiene)
Slovenia	OEL STEL (mg/m³)	9600 mg/m³ (containing >=0.1% Butadiene)
Slovenia	OEL STEL (ppm)	4000 ppm (containing >=0.1% Butadiene)
United Kingdom	WEL TWA (mg/m³)	1450 mg/m³
United Kingdom	WEL TWA (ppm)	600 ppm
United Kingdom	WEL STEL (mg/m³)	1810 mg/m³
United Kingdom	WEL STEL (ppm)	750 ppm
Norway	Grenseverdier (AN) (mg/m³)	600 mg/m³
Norway	Grenseverdier (AN) (ppm)	250 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	750 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	312,5 ppm (value calculated)
Switzerland	MAK (mg/m³)	1900 mg/m³
Switzerland	MAK (ppm)	800 ppm
Switzerland	KZGW (mg/m³)	7600 mg/m³
Switzerland	KZGW (ppm)	3200 ppm
Australia	TWA (mg/m³)	1900 mg/m³
Australia	TWA (ppm)	800 ppm
Canada (Quebec)	VEMP (mg/m³)	1900 mg/m³
Canada (Quebec)	VEMP (ppm)	800 ppm
USA - ACGIH	ACGIH STEL (ppm)	1000 ppm (explosion hazard)
USA - IDLH	US IDLH (ppm)	1600 ppm (>10% LEL)
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	1900 mg/m³
USA - NIOSH	NIOSH REL (TWA) (ppm)	800 ppm

Propane (74-98-6)		
Austria	MAK (mg/m³)	1800 mg/m³
Austria	MAK (ppm)	1000 ppm
Austria	MAK Short time value (mg/m³)	3600 mg/m³
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Limit value (ppm)	1000 ppm (gas)
Bulgaria	OEL TWA (mg/m³)	1800 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	1800 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	1000 ppm
Estonia	OEL TWA (mg/m³)	1800 mg/m³
Estonia	OEL TWA (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m³)	1500 mg/m³
Finland	HTP-arvo (8h) (ppm)	800 ppm
Finland	HTP-arvo (15 min)	2000 mg/m³
Finland	HTP-arvo (15 min) (ppm)	1100 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	1800 mg/m³

Propane (74-98-6)		
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Greece	OEL TWA (mg/m³)	1800 mg/m³
Greece	OEL TWA (ppm)	1000 ppm
Ireland	OEL (8 hours ref) (ppm)	1000 ppm
Ireland	OEL (15 min ref) (ppm)	3000 ppm (calculated)
Latvia	OEL TWA (mg/m³)	1800 mg/m³
Latvia	OEL TWA (ppm)	1000 ppm
Poland	NDS (mg/m³)	1800 mg/m³
Portugal	OEL TWA (ppm)	1000 ppm
Romania	OEL TWA (mg/m³)	1400 mg/m³
Romania	OEL TWA (ppm)	778 ppm
Romania	OEL STEL (mg/m³)	1800 mg/m³
Romania	OEL STEL (ppm)	1000 ppm
Slovenia	OEL TWA (mg/m³)	1800 mg/m³
Slovenia	OEL TWA (ppm)	1000 ppm
Slovenia	OEL STEL (mg/m³)	7200 mg/m³
Slovenia	OEL STEL (ppm)	4000 ppm
Norway	Grenseverdier (AN) (mg/m³)	900 mg/m³
Norway	Grenseverdier (AN) (ppm)	500 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	1125 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	625 ppm (value calculated)
Switzerland	MAK (mg/m³)	1800 mg/m³
Switzerland	MAK (ppm)	1000 ppm
Switzerland	KZGW (mg/m³)	7200 mg/m³
Switzerland	KZGW (ppm)	4000 ppm
Canada (Quebec)	VEMP (mg/m³)	1800 mg/m³
Canada (Quebec)	VEMP (ppm)	1000 ppm
USA - IDLH	US IDLH (ppm)	2100 ppm (10% LEL)
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	1800 mg/m³
USA - NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	1800 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

n-butyl acetate (123-86-4)		
Austria	MAK (mg/m³)	480 mg/m³ (all isomers except tert-Butyl acetate)
Austria	MAK (ppm)	100 ppm (all isomers except tert-Butyl acetate)
Austria	MAK Short time value (mg/m³)	480 mg/m³ (all isomers except tert-Butyl acetate)
Austria	MAK Short time value (ppm)	100 ppm (all isomers except tert-Butyl acetate)
Austria	OEL - Ceilings (mg/m³)	480 mg/m³
Austria	OEL - Ceilings (ppm)	100 ppm
Belgium	Limit value (mg/m³)	723 mg/m³
Belgium	Limit value (ppm)	150 ppm
Belgium	Short time value (mg/m³)	964 mg/m³
Belgium	Short time value	200 ppm
Bulgaria	OEL TWA (mg/m³)	710 mg/m³

n-butyl acetate (123-86-4)		
Bulgaria	OEL STEL (mg/m³)	950 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	724 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	150 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	966 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	200 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	950 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	710 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	150 ppm
Finland	HTP-arvo (8h) (mg/m³)	720 mg/m³
Finland	HTP-arvo (8h) (ppm)	150 ppm
Finland	HTP-arvo (15 min)	960 mg/m³
Finland	HTP-arvo (15 min) (ppm)	200 ppm
France	VME (mg/m³)	710 mg/m³
France	VME (ppm)	150 ppm
France	VLE (mg/m³)	940 mg/m³
France	VLE (ppm)	200 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	300 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	62 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece	OEL TWA (mg/m³)	710 mg/m³
Greece	OEL TWA (ppm)	150 ppm
Greece	OEL STEL (mg/m³)	950 mg/m³
Greece	OEL STEL (ppm)	200 ppm
Hungary	AK-érték	950 mg/m³
Hungary	CK-érték	950 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	710 mg/m³
Ireland	OEL (8 hours ref) (ppm)	150 ppm
Ireland	OEL (15 min ref) (mg/m3)	950 mg/m³
Ireland	OEL (15 min ref) (ppm)	200 ppm
Latvia	OEL TWA (mg/m³)	200 mg/m³
Poland	NDS (mg/m³)	200 mg/m³
Poland	NDSCh (mg/m³)	950 mg/m³
Portugal	OEL TWA (ppm)	150 ppm
Portugal	OEL STEL (ppm)	200 ppm
Romania	OEL TWA (mg/m³)	715 mg/m³
Romania	OEL TWA (ppm)	150 ppm
Romania	OEL STEL (mg/m³)	950 mg/m³
Romania	OEL STEL (ppm)	200 ppm
Slovakia	NPHV (priemerná) (mg/m³)	480 mg/m³
Slovakia	NPHV (priemerná) (ppm)	100 ppm
Slovakia	NPHV (Hraničná) (mg/m³)	700 mg/m³

n-butyl acetate (123-86-4)		
Slovenia	OEL TWA (mg/m³)	480 mg/m³
Slovenia	OEL TWA (ppm)	100 ppm
Slovenia	OEL STEL (mg/m³)	480 mg/m³
Slovenia	OEL STEL (ppm)	100 ppm
Spain	VLA-ED (mg/m³)	724 mg/m³
Spain	VLA-ED (ppm)	150 ppm
Spain	VLA-EC (mg/m³)	965 mg/m³
Spain	VLA-EC (ppm)	200 ppm
Sweden	nivågränsvärde (NVG) (mg/m³)	500 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	100 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	700 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	150 ppm
United Kingdom	WEL TWA (mg/m³)	724 mg/m³
United Kingdom	WEL TWA (ppm)	150 ppm
United Kingdom	WEL STEL (mg/m³)	966 mg/m³
United Kingdom	WEL STEL (ppm)	200 ppm
Switzerland	MAK (mg/m³)	480 mg/m³
Switzerland	MAK (ppm)	100 ppm
Switzerland	KZGW (mg/m³)	960 mg/m³
Switzerland	KZGW (ppm)	200 ppm
Australia	TWA (mg/m³)	713 mg/m³
Australia	TWA (ppm)	150 ppm
Australia	STEL (mg/m³)	950 mg/m³
Australia	STEL (ppm)	200 ppm
Canada (Quebec)	VECD (mg/m³)	950 mg/m³
Canada (Quebec)	VECD (ppm)	200 ppm
Canada (Quebec)	VEMP (mg/m³)	713 mg/m³
Canada (Quebec)	VEMP (ppm)	150 ppm
USA - ACGIH	ACGIH TWA (ppm)	50 ppm
USA - ACGIH	ACGIH STEL (ppm)	150 ppm
USA - IDLH	US IDLH (ppm)	1700 ppm (10% LEL)
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	710 mg/m³
USA - NIOSH	NIOSH REL (TWA) (ppm)	150 ppm
USA - NIOSH	NIOSH REL (STEL) (mg/m³)	950 mg/m³
USA - NIOSH	NIOSH REL (STEL) (ppm)	200 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	710 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	150 ppm

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
EU	IOELV TWA (mg/m³)	375 mg/m³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m³)	568 mg/m³
EU	IOELV STEL (ppm)	150 ppm
EU	Notes	Possibility of significant uptake through the skin
Austria	MAK (mg/m³)	187 mg/m³
Austria	MAK (ppm)	50 ppm

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
Austria	MAK Short time value (mg/m³)	187 mg/m³
Austria	MAK Short time value (ppm)	50 ppm
Austria	OEL - Ceilings (mg/m³)	187 mg/m³
Austria	OEL - Ceilings (ppm)	50 ppm
Belgium	Limit value (mg/m³)	375 mg/m³
Belgium	Limit value (ppm)	100 ppm
Belgium	Short time value (mg/m³)	568 mg/m³
Belgium	Short time value	150 ppm
Bulgaria	OEL TWA (mg/m³)	375 mg/m³
Bulgaria	OEL TWA (ppm)	100 ppm
Bulgaria	OEL STEL (mg/m³)	568 mg/m³
Bulgaria	OEL STEL (ppm)	150 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	375 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	100 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	568 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	150 ppm
Cyprus	OEL TWA (mg/m³)	375 mg/m³
Cyprus	OEL TWA (ppm)	100 ppm
Cyprus	OEL STEL (mg/m³)	568 mg/m³
Cyprus	OEL STEL (ppm)	150 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	270 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	185 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Estonia	OEL TWA (mg/m³)	375 mg/m³
Estonia	OEL TWA (ppm)	100 ppm
Estonia	OEL STEL (mg/m³)	568 mg/m³
Estonia	OEL STEL (ppm)	150 ppm
Finland	HTP-arvo (8h) (mg/m³)	370 mg/m³
Finland	HTP-arvo (8h) (ppm)	100 ppm
Finland	HTP-arvo (15 min)	560 mg/m³
Finland	HTP-arvo (15 min) (ppm)	150 ppm
France	VME (mg/m³)	188 mg/m³ (restrictive limit)
France	VME (ppm)	50 ppm (restrictive limit)
France	VLE (mg/m³)	375 mg/m³ (restrictive limit)
France	VLE (ppm)	100 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	370 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	100 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	15 mg/l Parameter: 1-Methoxypropan-2-ol - Medium: urine - Sampling time: end of shift
Gibraltar	8h mg/m3	375 mg/m³
Gibraltar	8h ppm	100 ppm
Gibraltar	Short-term mg/m3	568 mg/m³

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
Gibraltar	Short-term ppm	150 ppm
Greece	OEL TWA (mg/m³)	360 mg/m³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m³)	1080 mg/m³
Greece	OEL STEL (ppm)	300 ppm
Hungary	AK-érték	375 mg/m³
Hungary	CK-érték	568 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	375 mg/m³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Ireland	OEL (15 min ref) (mg/m3)	568 mg/m³
Ireland	OEL (15 min ref) (ppm)	150 ppm
Italy	OEL TWA (mg/m³)	375 mg/m³
Italy	OEL TWA (ppm)	100 ppm
Italy	OEL STEL (mg/m³)	568 mg/m³
Italy	OEL STEL (ppm)	150 ppm
Latvia	OEL TWA (mg/m³)	375 mg/m³
Latvia	OEL TWA (ppm)	100 ppm
Lithuania	IPRV (mg/m³)	190 mg/m³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m³)	300 mg/m³
Lithuania	TPRV (ppm)	75 ppm
Luxembourg	OEL TWA (mg/m³)	375 mg/m³
Luxembourg	OEL TWA (ppm)	100 ppm
Luxembourg	OEL STEL (mg/m³)	568 mg/m³
Luxembourg	OEL STEL (ppm)	150 ppm
Malta	OEL TWA (mg/m³)	375 mg/m³
Malta	OEL TWA (ppm)	100 ppm
Malta	OEL STEL (mg/m³)	568 mg/m³
Malta	OEL STEL (ppm)	150 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	375 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	563 mg/m³
Poland	NDS (mg/m³)	180 mg/m³
Poland	NDSCh (mg/m³)	360 mg/m³
Portugal	OEL TWA (mg/m³)	375 mg/m³ (indicative limit value)
Portugal	OEL TWA (ppm)	100 ppm (indicative limit value)
Portugal	OEL STEL (mg/m³)	568 mg/m³ (indicative limit value)
Portugal	OEL STEL (ppm)	150 ppm (indicative limit value)
Romania	OEL TWA (mg/m³)	375 mg/m³
Romania	OEL TWA (ppm)	100 ppm
Romania	OEL STEL (mg/m³)	568 mg/m³
Romania	OEL STEL (ppm)	150 ppm
Slovakia	NPHV (priemerná) (mg/m³)	375 mg/m³
Slovakia	NPHV (priemerná) (ppm)	100 ppm

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)		
Slovakia	NPHV (Hraničná) (mg/m³)	568 mg/m³
Slovenia	OEL TWA (mg/m³)	375 mg/m³
Slovenia	OEL TWA (ppm)	100 ppm
Slovenia	OEL STEL (mg/m³)	562,5 mg/m³
Slovenia	OEL STEL (ppm)	150 ppm
Spain	VLA-ED (mg/m³)	375 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	100 ppm (indicative limit value)
Spain	VLA-EC (mg/m³)	568 mg/m³
Spain	VLA-EC (ppm)	150 ppm
Sweden	nivågränsvärde (NVG) (mg/m³)	190 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	568 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	150 ppm
United Kingdom	WEL TWA (mg/m³)	375 mg/m³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m³)	560 mg/m³
United Kingdom	WEL STEL (ppm)	150 ppm
Norway	Grenseverdier (AN) (mg/m³)	180 mg/m³
Norway	Grenseverdier (AN) (ppm)	50 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	225 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	75 ppm (value calculated)
Switzerland	MAK (mg/m³)	360 mg/m³
Switzerland	MAK (ppm)	100 ppm
Switzerland	KZGW (mg/m³)	720 mg/m³
Switzerland	KZGW (ppm)	200 ppm
Australia	TWA (mg/m³)	369 mg/m³
Australia	TWA (ppm)	100 ppm
Australia	STEL (mg/m³)	553 mg/m³
Australia	STEL (ppm)	150 ppm
Canada (Quebec)	VECD (mg/m³)	553 mg/m³
Canada (Quebec)	VECD (ppm)	150 ppm
Canada (Quebec)	VEMP (mg/m³)	369 mg/m³
Canada (Quebec)	VEMP (ppm)	100 ppm
USA - ACGIH	ACGIH TWA (ppm)	50 ppm
USA - ACGIH	ACGIH STEL (ppm)	100 ppm
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	360 mg/m³
USA - NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
USA - NIOSH	NIOSH REL (STEL) (mg/m³)	540 mg/m³
USA - NIOSH	NIOSH REL (STEL) (ppm)	150 ppm

Additional information : Personal air monitoring :. Room air monitoring. Recommended monitoring procedures

8.2. Exposure controls

Engineering measure(s)	:	Organisational measures to prevent /limit releases, dispersion and exposure. Safe handling: see section 7 . Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.
Personal protective equipment	:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Hand protection	:	Wear chemically resistant gloves (tested to EN374) . Suitable material: NBR (Nitrile rubber). Thickness >= 0.5 mm. Breakthrough time : 480 min. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Eye protection	:	Use suitable eye protection. (EN166):
Body protection	:	Wear suitable protective clothing.
Respiratory protection	:	Long term exposure. Wear respiratory protection. Aerosol filter type AX/P2. In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask (EN 140). Full face mask (EN 136). Filter type: A/P2. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used. (EN 137)
Thermal hazard protection	:	Not required for normal conditions of use. Use dedicated equipment.
Environmental exposure controls	:	Avoid release to the environment. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	aerosol.
Colour	:	Colourless.
Odour	:	petroleum-like odour.
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting / freezing point	:	No data available
Freezing point	:	No data available
Initial boiling point and boiling range	:	-44,5 °C
Flash point	:	-97 °C
Auto-ignition temperature	:	Not self-igniting
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable,liquid,Extremely flammable aerosol.
Vapour pressure	:	2100 hPa
Vapour density	:	No data available
Relative density	:	No data available
Density	:	0,76 g/cm³
Solubility	:	Water: No data available
Partition coefficient n-octanol/water	:	No data available
Kinematic viscosity	:	No data available
Dynamic viscosity	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available

Explosive limits : 0,7 - 20 vol %

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Reference to other sections: 10.4 & 10.5.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will ignite if exposed to intensive heat and air. Risk of explosion by shock, friction, fire or other sources of ignition. No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid temperature above 50. Safe handling: see section 7.

10.5. Incompatible materials

Oxidising substances. acids and bases. Safe handling: see section 7.

10.6. Hazardous decomposition products

Reference to other sections: 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

Hydrocarbons, C9, aromatics	
LD50/oral/rat	3592 mg/kg (Charles River CD) OECD 401
LD50/dermal/rabbit	> 3160 mg/kg (New Zealand white) OECD 402
LC50/inhalation/4h/rat	> 6193 mg/m³ OECD 403

Butane (106-97-8)	
LD50/oral/rat	study technically not feasible
LD50/dermal/rat	study technically not feasible
LC50/inhalation/4h/rat	658 g/m³ (Exposure time: 4 h)

n-butyl acetate (123-86-4)	
LD50/oral/rat	10768 mg/kg
LD50/dermal/rabbit	> 17600 mg/kg
LC50/inhalation/4h/rat	23,4 mg/l (OECD 403; In Vivo; Aerosol)
LC50/inhalation/4h/rat (ppm)	390 ppm/4h

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
LD50/oral/rat	> 2000 - 5000 mg/kg
LD50/dermal/rat	> 5000 mg/kg
LC50/inhalation/4h/rat (ppm)	> 7559 ppm (Exposure time: 6 h)

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met.)
pH: No data available

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met.)
pH: No data available

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 - Description : 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 respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met.)

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

Parts Cleaner	
Vaporizer	Aerosol

Other information : Symptoms related to the physical, chemical and toxicological characteristics. For further information see section 4.

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : Toxic to aquatic life with long lasting effects. According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

Hydrocarbons, C9, aromatics	
LC50 fish 1	9,2 mg/l (Oncorhynchus mykiss) OECD 203 (LL50)
EC50 Daphnia 1	3,2 mg/l (Daphnia magna) OECD 202
ErC50 (algae)	2,6 - 2,9 mg/l (Pseudokirchnerella subcapitata) OECD 201 (EL50 72h)
NOEC (additional information)	NOELr, Fish : 1,23 mg/l (Oncorhynchus mykiss) QSAR NOELr, Daphnia : 2,14 mg/L (Daphnia magna) QSAR

Butane (106-97-8)	
EC50 Daphnia 1	14,22 mg/l (48h) US Environmental Protection Agency's Office of pollution Prevention (2008)
ErC50 (algae)	7,71 mg/l (96h) US Environmental Protection Agency's Office of pollution Prevention (2008)

n-butyl acetate (123-86-4)	
LC50 fish 1	100 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish 2	17 - 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
EC50 Daphnia 1	(48h)> 21000 mg/l

12.2. Persistence and degradability

Parts Cleaner	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

Parts Cleaner	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No data available.

Butane (106-97-8)	
Partition coefficient n-octanol/water	2,89

n-butyl acetate (123-86-4)	
Partition coefficient n-octanol/water	1,81 (at 23 °C)

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
BCF fish 1	< 2
Partition coefficient n-octanol/water	-0,437

12.4. Mobility in soil

Parts Cleaner	
Mobility in soil	No data available

12.5. Results of PBT and vPvB assessment

Parts Cleaner	
Results of PBT assessment	No data available

12.6. Other adverse effects

Other adverse effects : No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Avoid release to the environment. Dispose of empty containers and wastes safely. Safe handling: see section 7. Refer to manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations. Packaging contaminated by the product : Do not pierce or burn, even after use. Never use pressure to empty container.

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : This material and its container must be disposed of as hazardous waste Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1950	1950	1950	1950	1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
				
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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	Dangerous for the environment : Yes
No supplementary information available				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Classification code (ADR) : 5F

Special provisions	: 190, 327, 344, 625
Limited quantities (ADR)	: 1l
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code	: D

- Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP02
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69
MFAG-No	: 126

- Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
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

- Inland waterway transport

Classification code (ADN)	: 5F
Special provisions (ADN)	: 190, 327, 344, 625
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01, VE04
Number of blue cones/lights (ADN)	: 1

- Rail transport

Special provisions (RID)	: 190, 327, 344, 625

Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP200
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W14
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 23

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Code: IBC : 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Hydrocarbons, C9, aromatics - n-butyl acetate - 1-methoxy-2-propanol, monopropylene glycol methyl ether
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Parts Cleaner - Hydrocarbons, C9, aromatics - n-butyl acetate - 1-methoxy-2-propanol, monopropylene glycol methyl ether
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Hydrocarbons, C9, aromatics
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	Parts Cleaner - Hydrocarbons, C9, aromatics
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Hydrocarbons, C9, aromatics - Butane - Propane - n-butyl acetate - 1-methoxy-2-propanol, monopropylene glycol methyl ether

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Labelling for contents according to regulation (EC) No. 648/2004	: Contains : ≥ 15% - < 30% Aliphatic hydrocarbons
Regulation (EC) No. 648/2004 (Detergents regulation)	: The surfactant(s) contained in this mixture complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.1.2. National regulations

France
Installations classées :
Not applicable.

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

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

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

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Class for fire hazard : Class I-1

Store unit : 1 liter

Classification remarks : F+ <Aerosol 1>; Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the supplier

For the following substances of this mixture a chemical safety assessment has been carried out
Butane Propane n-butyl acetate 1-methoxy-2-propanol, monopropylene glycol methyl ether

SECTION 16: Other information

Abbreviations and acronyms:

	ABM = Algemene beoordelingsmethodiek
	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level
	DNEL = Derived No Effect Level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose

	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	TWA = time weighted average
	VOC = Volatile organic compounds
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the datasheet : Safety Data Sheet: Supplier. echa.europa.eu.

Training advice : Training staff on good practice.

Other information : Assessment/classification CLP. Article 9. Calculation method.

Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - chronic hazard category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Gas 1	Flammable gases, hazard category 1
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Press. Gas (Liq.)	Gases under pressure : Liquefied gas
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H226	Flammable liquid and vapour.
H229	Pressurised container. May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]