Safety data sheet
According to 1907/2006/EC Article 31

Revision date: 30/08/2023

CARBU-INJECT CLEANER

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier
Product name: CARBU-INJECT CLEANER
Article number: F100002

1.2 Relevant identified uses of the substance or mixture and uses advised against
Application of the substance/mixture: Cleaner solvent.

1.3 Details of the supplier of the safety data sheet
Company:
MULTITASK INDUSTRIES
KARNEMELKSTRAAT 12
9060 ZELZATE / BELGIUM
TEL : +32 (0)9 282 43 61
FAX : +32 (0)9 337 04 96
HOMEPAGE: www.multitaskindustries.be
EMAIL: info@multitaskindustries.be

Information department:
Technical information: info@multitaskindustries.be

1.4 Emergency telephone number:
centre anti-poison (Brussels): +32 (0)70 245 245

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification according to regulation (EC) No. 1272/2008

GHS02 Flame

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.

GHS08 Health hazard

STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.

GHS07

Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE3	H335	May cause respiratory irritation.
	H336	May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

2.2 Label elements

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

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS02 GHS07 GHS08

Signal word: Danger.

Hazard-determining components of labelling:

Reaction mass of ethylbenzene and xylene
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene)
butanone
propan-2-ol

Hazard statements:

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames 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.
P260 Do not breathe mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P403 Store in a well-ventilated place.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information: Buildup of explosive mixtures possible without sufficient ventilation.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Determination of endocrine-disrupting properties: 78-93-3 butanone List II

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures
Description: Cleansing agent.

Dangerous components:

EC-number: 905-588-0 Reg. Nr.: 01-2119488216-32 01-2119486136-34	Reaction mass of ethylbenzene and xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin. Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	25 -< 50%
CAS: 78-93-3 EINECS: 201-159-0 Reg. Nr.: 01-2119457290-43	butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	10 -< 25%
EC-number: 920-750-0 Reg. Nr.: 01-2119473851-33	Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene) Flam. Liq. 2, H225, Asp. Tox. 1, H304, Aquatic Chronic 2, H411; STOT SE 3, H336, EUH066	10 -< 25%
CAS: 67-63-0 EINECS: 200-661-7 Reg. Nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10 -< 25%
CAS: 74-98-6 EINECS: 200-827-9 Reg. Nr.: 01-2119486944-21	Propane Flam. Gas. 1A, H220; Press. Gas (Comp.), H280	10 -< 25%
CAS: 106-97-8 EINECS: 203-448-7 Reg. Nr.: 01-2119474691-32	butane (containing < 0.1% butadiene (203-450-8), Note K) Flam. Gas. 1A, H220; Press. Gas (Comp.), H280	1 -< 2,5%
CAS: 111-76-2 EINECS: 203-905-0 Reg. Nr: 01-2119475108-36	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1200 mg/kg	1 -< 2,5%
CAS: 75-28-5 EINECS: 200-857-2 Reg. Nr.: 01-2119485395-27	isobutane (containing < 0,1 % butadiene (203-450-8), Note K) Flam. Gas 1A, H220; Press. Gas (Comp.), H280	0,1-<1%

Ingredients according to detergents guideline 648/2004/EG:

Aliphatic hydrocarbons	≥ 30%
Aromatic hydrocarbons	15 – 30%

Additional information: Aerosols and containers fitted with a solid atomizer containing substances or mixtures classified as hazardous by aspiration shall not be labelled for that hazard. The text of the hazard statements mentioned here can be found in chapter 16. The application of a TWD (Tactile Warning of Danger) is mandatory if this product is offered on the consumer market. Please note that the TWD is part of the packaging and not of the classification.

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident are necessary.
After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing agents:
Water haze.
Fire-extinguishing powder.
Carbon dioxide.
Alcohol resistant foam.
For safety reasons unsuitable extinguishing agents: Water with full jet.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Mount respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers / surface or ground water.

6.3 Methods and material for containment and cleaning up
Dispose containment material as waste according to section 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

6.4. Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Ensure good ventilation / exhaustion at the workspace.
Information about fire- and explosion protection: Do not spray onto a naked flame or any incandescent material. Keep ignition sources away – Do not smoke. Protect against electrostatic charges. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store in a cool location. Observe official regulations on storing packaging with pressurized containers.
Information about storage in one common storage facility Observe official regulations on storing packaging with pressurized containers.
Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

7.3 Specific end use(s)
No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

78-93-3	**butanone**
VL (BE)	Short-term value: 900 mg/m³, 300 ppm Long-term value: 600 mg/m³, 200 ppm
67-63-0	**propan-2-ol**
VL (BE)	Short-term value: 1000 mg/m³, 400 ppm Long-term value: 500 mg/m³, 200 ppm
74-98-6	**propane**
VL (BE)	Long-term value: 1000 ppm
106-97-8	**butane (containing < 0.1% butadiene (203-450-8), Note K)**
VL (BE)	Short-term value: 2370 mg/m³, 980 ppm

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111-76-2	**2-butoxyethanol**
VL (BE)	Short-term value: 246 mg/m³, 50 ppm Long-term value: 98 mg/m³, 20 ppm D;
75-28-5	**isobutane (containing < 0,1 % butadiene (203-450-8), Note K)**
VL (BE)	Short-term value: 2370 mg/m³, 980 ppm

DNEL's:

Reaction mass of ethylbenzene and xylene		
Oral	DNEL Long term-systemic	1,6 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	108 mg/kg bw/day (Consumer)
		180 mg/kg bw/day (Worker)
Inhalative	DNEL Acute-systemic	174 mg/m³ (Consumer)
		289 mg/m³ (Worker)
	DNEL Acute-local	289 mg/m³ (Worker)
	DNEL Long term-systemic	14,8 mg/m³ (Consumer)
		77 mg/m³ (Worker)
	DNEL Long term-local	174 mg/m³ (Consumer)
		221 mg/m³ (Worker)
78-93-3	**butanone**	
Oral	DNEL Long term-systemic	31 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	412 mg/kg bw/day (Consumer)
		1161 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	106 mg/m³ (Consumer)
		600 mg/m³ (Worker)
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene)		
Oral	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	699 mg/kg bw/day (Consumer)
		773 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	608 mg/m³ (Consumer)
		2035 mg/m³ (Worker)
67-63-0	**propan-2-ol**	
Oral	DNEL Long term-systemic	26 mg/kg bw/day (Consumer)
Dermal	DNEL Long term-systemic	319 mg/kg bw/day (Consumer)
		888 mg/kg bw/day (Worker)
Inhalative	DNEL Long term-systemic	89 mg/m³ (Consumer)
		500 mg/m³ (Worker)
111-76-2	**2-butoxyethanol**	
Oral	DNEL Acute-systemic	26,7 mg/kg bw/day (Consumer)
	DNEL Long term-systemic	6,3 mg/kg bw/day (Consumer)
Inhalative	DNEL Acute-systemic	426 mg/m³ (Consumer)
		1091 mg/m³ (Worker)
	DNEL Acute-local	147 mg/m³ (Consumer)
		246 mg/m³ (Worker)
	DNEL Long term-systemic	59 mg/m³ (Consumer)
		98 mg/m³ (Worker)

PNEC:

Reaction mass of ethylbenzene and xylene	
PNEC Freshwater	0,327 mg/l (Undefined)
PNEC Marine water	0,327 mg/l (Undefined)
PNEC Freshwater sediment	12,64 mg/l (dry weight) (Undefined)
PNEC Soil	2,31 mg/kg (Undefined)
PNEC Sewage Treatment Plant	6,58 mg/l (Undefined)
PNEC Marine water sediment	12,64 mg/l (dry weight) (Undefined)
111-76-2 2-butoxyethanol	
PNEC Freshwater	8,8 mg/l (Undefined)
PNEC Marine water	0,88 mg/l (Undefined)
PNEC Freshwater sediment	34,6 mg/l (dry weight) (Undefined)
PNEC Intermittent release	9,1 mg/l (Undefined)
PNEC Soil	2,33 mg/kg (Undefined)
PNEC Sewage Treatment Plant	463 mg/l (Undefined)
PNEC Marine water sediment	3,46 mg/l (dry weight) (Undefined)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls: No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin. General ventilation.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
Filter A2/P2.

Hand protection:

Protective gloves.

Solvent resistant gloves.
Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0,5 mm

Penetration time of glove material: For continuous contact we recommend gloves with breakthrough time of at least 240 minutes, with the preference given to a breakthrough time greater than 480 minutes. For short-term or splash guard we recommend the same. We are aware that suitable gloves that offer this level of protection may not be available. In that case, a shorter breakthrough time is acceptable as long as the procedures governing maintenance and timely replacement are followed. The thickness of the gloves is not a good measure of the resistance of the gloves against a chemical substance, because this depends on the exact composition of the material from which the gloves are made. The exact break through time had to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection: Safety glasses (EN-166).

Tightly sealed goggles.

Body protection: Use protective suit (EN-13034/6). Fully skin-covering anti-static, chemical- and oil-resistant clothing and safety shoes are recommended. (EN1149; EN340 & EN ISO 13688; EN13034-6).
Environmental exposure controls: Use an appropriate container to avoid environmental pollution.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General information:

Physical state:	Aerosol.
Colour:	According to product specification
Odour:	Characteristic.
Odour threshold:	Not determined.
Melting/freezing point:	Not determined.
Boiling point/initial boiling point and boiling range:	-44,5 °C.
Flammability:	Not applicable.
Lower explosion limit:	0,7 Vol %.
Upper explosion limit:	12,0 Vol %.
Flash point:	-97°C.
Ignition temperature:	>200 °C.
pH:	Mixture is non-polar/aprotic.
Dynamic viscosity:	Not determined.
Kinematic viscosity:	≤20,5 mm²/s, 40°C (L)
Solubility in water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure at 20°C:	3300 hPa.
Vapour pressure at 50°C:	5700 hPa.
Density at 20°C:	0,745 g/cm³.
Relative density:	Not determined.
Vapour density:	Not determined.

9.2 Other information

Form: Aerosol.
Important information on protection of health and environment, and on safety
Ignition temperature: Product is not self igniting.
Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Organic solvents: 100,00%
Evaporation rate: Not applicable.
Information with regard to physical hazard classes
Explosives: Void.
Flammable gases: Void.
Aerosols: Extremely flammable aerosol. Pressurised container: May burst if heated.
Oxidising gases: Void.
Gases under pressure: Void.
Flammable liquids: Void.
Flammable solids: Void.
Self-reactive substances and mixtures: Void.

Pyrophoric liquids: Void.
Pyrophoric solids: Void.
Self-heating substances and mixtures: Void.
Substances and mixtures, which emit flammable gases in contact with water: Void.
Oxidising liquids: Void.
Oxidising solids: Void.
Organic peroxides: Void.
Corrosive to metals: Void.
Desensitised explosives: Void.

10. STABILITY AND REACTIVITY

10.1 Reactivity:
No further relevant information available.

10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions
No dangerous reactions known.

10.4 Conditions to avoid
No further relevant information available.

10.5 Incompatible materials
No further relevant information available.

10.6 Hazardous decomposition products
No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral Inhalative	LD50 ATE	68000 mg/kg 623 mg/l, 4h
Reaction mass of ethylbenzene and xylene		
Oral Dermal Inhalative	LD50 LD50 LC50 (4h)	3523 mg/kg (Rat) 12126 mg/kg (Rabbit) 29000 mg/l (Rat)
78-93-3 butanone		
Oral	LD50	> 2193 mg/kg (Rat)

Dermal	LD50	> 5000 mg/kg (Rabbit) 5000 mg/kg (Rabbit)
Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene)		
Oral Dermal Inhalative	LD50 LD50 LD50 LC50 (4h)	> 5000 mg/kg (Rat) > 8 ml/kg (Rat) > 3100 mg/kg (Rat) > 23,3 mg/l (Rat)
67-63-0 propan-2-ol		
Oral Dermal Inhalative	LD50 LD50 LC50 (4h) LC50	5840 mg/kg (Rat) (Acute Oral Toxicity) 13900 mg/kg (Rabbit) (Acute Dermal Toxicity) >25 mg/l (Rat) >25 mg/L (Rat) (Acute Inhalation Toxicity)
111-76-2 2-butoxyethanol		
Oral Dermal Inhalative	LD50 LD50 LC0 LC50	1200 mg/kg (ATE) 1414 mg/kg (Guinea pig) (Acute Oral Toxicity) >2000 mg/kg (Guinea pig) (Acute Dermal Toxicity) >3,1 mg/l/1h (Guinea pig) >400 mg/L/7h (Guinea pig)

Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitization: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: 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: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard: May be fatal if swallowed and enters airways.

11.2 Information on other hazards
Endocrine disrupting properties: 78-93-3 butanone List II

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Aquatic toxicity:	
Reaction mass of ethylbenzene and xylene	
NOEC NOEC (7 days) NOEC (72h) NOEC (28 days) LC50 (96h) EC50 (48h)	1,3 mg/l (Fish) 0,96 mg/l (Daphnia magna) 0,44 mg/l (Algae) 16 mg/l (Bacteria) 8,9-16,4 mg/l (Pimephales promelas) 3,2-9,5 mg/l (Daphnia magna)
78-93-3 butanone	
LC50 (96h) EC50 (48h)	2993 mg/l (Pimephales promelas) 308 mg/l (Daphnia magna)

Hydrocarbons, C7-C9, n-alkanes, iso-alkanes, cyclic (< 0.1% benzene)	
NOELR (72h)	10 mg/l (Pseudokirchneriella subcapitata)
EL50 (48h)	3 mg/l (Daphnia magna)
EL50 (72h)	10-30 mg/l (Pseudokirchneriella subcapitata)
LL50 (96h)	>13,4 mg/l (Oncorhynchus mykiss)
NOEC (21 days)	0,17 mg/l (Daphnia magna)
LOEC (21 days)	0,32 mg/l (Daphnia magna)
67-63-0 propan-2-ol	
EC50	>100 mg/l (Bacteria)
LOEC (8 days)	1000 mg/l (Algae)
LC50 (96h)	9640 mg/l (Pimephales promelas)
LC50 (24h)	9714 mg/l (Daphnia magna)
111-76-2 2-butoxyethanol	
LC50	1300 mg/l/96h (Lepomis macrochirus) (Fish, Acute Toxicity Test)
NOEC	286 mg/l/72h (Pseudokirchneriella subcapitata) (Freshwater Alga and Cyanobacteria, Growth Inh. Test)
NOEC (21 days)	100 mg/l (Daphnia magna) (Daphnia magna Reproduction Test)
EC0	700 mg/l/16h (Pseudomonas putida)
EC50	1550 mg/l/48h (Daphnia magna)
	1840 mg/l/72h (Algae) (Freshwater Alga and Cyanobacteria, Growth Inh. Test)
LC50	1474 mg/l (Oncorhynchus mykiss)

12.2 Persistence and degradability
Not easily biodegradable.

12.3 Bioaccumulative potential
No further relevant information available.

12.4 Mobility in soil
No further relevant information available.

12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6 Endocrine disrupting properties
For information on endocrine disrupting properties see section 11.

12.7 Other adverse effects
Additional ecological information:
General notes:
Water hazard class 2 (German Regulation) (Self-Assessment): hazardous for water.
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Europe waste catalogue	
HP3	Flammable.
HP4	Irritant – skin irritation and eye damage.
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity.
HP6	Acute toxicity.
HP14	Ecotoxic.

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

14.1 UN number or ID number

ADR: UN1950
ADN: UN1950
IMDG: UN1950
IATA: UN1950

14.2 Un proper shipping name

ADR: UN1950 AEROSOLS
ADN: UN1950 AEROSOLS
IMDG: AEROSOLS
IATA: AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR

Class: 2 5F Gases
Label: 2.1

ADN
ADN/R Class: 2 5F

IMDG, IATA

Class: 2.1 Gases
Label: 2.1

14.4 Packing group
ADR: Void.
IMDG: Void.
IATA: Void.

14.5 Environmental hazards
Not applicable.

14.6 Special precautions for user
Warning: Gases.
Hazard identification number (Kemler code): -
EMS Number: F-D, S-U.
Stowage Code: SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
Segregation Code: SG69: For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

14.7 Maritime transport in bulk according to IMO instruments
Not applicable.

Transport/additional information:
ADR
Limited quantities (LQ): 1L.
Excepted quantities (EQ): Code: E0.
Not permitted as Excepted Quantity.
Tunnel restriction code: D

IMDG
Limited quantities (LQ): 1L.
Excepted quantities (EQ): Code: E0.
Not permitted as Excepted Quantity.

VN "Model Regulation": UN 1950 AEROSOLS, 2.1.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Directive 2012/18/EU
Named dangerous substances - ANNEX I: None of the ingredients is listed.
Seveso category: P3a FLAMMABLE AEROSOLS
Qualifying quantity (tonnes) for the application of lower-tier requirements: 150 t.
Qualifying quantity (tonnes) for the application of upper-tier requirements: 500 t.
REGULATION (EC) No 1907/2006 ANNEX XVII: Conditions of restriction: 3
DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and

electronic equipment – Annex II: None of the ingredients is listed.

REGULATION (EU) 2019/1148
Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)): None of the ingredients is listed.
Annex II - REPORTABLE EXPLOSIVES PRECURSORS: None of the ingredients is listed.
Regulation (EC) No 273/2004 on drug precursors: 78-93-3 butanone 3
Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: 793-3 butanone 3

National regulations
Breakdown regulations:

Class	Share in %
NK	100,000

VOC-CH: 100,00 %
VOC-EU: 745,0 g/l
Danish MAL Code: 5-3

15.2 Chemical safety assessment
A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

Relevant phrases:
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
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.
EUH066 Repeated exposure may cause skin dryness or cracking.

Classification according to Regulation (EC) No 1272/2008: Physical and chemical properties: The classification is based on the results of the mixtures tested. Health hazards, Environmental hazards: The method of classification of mixtures based on the constituents of the mixture (sum formula).

Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road).
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.
GHS: Globally Harmonised System of Classification and Labelling of Chemicals.
EINECS: European Inventory of Existing Commercial Chemical Substances.
ELINCS: European List of Notified Chemical Substances.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labelling concerning inhalation hazards, Denmark).
DNEL: Derived No-Effect Level (REACH).
PNEC: Predicted No-Effect Concentration (REACH).
LC50: Lethal concentration, 50 percent.
LD50: Lethal dose, 50 percent.
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: very Persistent and very Bioaccumulative.
Flam. Gas 1A: Flammable gases – Category 1A.
Aerosol 1: Aerosols – Category 1.
Press. Gas (Comp.): Gases under pressure – Compressed gas.
Flam. Liq. 2: Flammable liquids – Category 2.
Flam. Liq. 3: Flammable liquids – Category 3.
Acute Tox. 4: Acute toxicity – Category 4.
Skin Irrit. 2: Skin corrosion/irritation – Category 2.
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2.
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3.
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2.
Asp. Tox. 1: Aspiration hazard – Category 1.
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2.
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3.