SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

CLEAN

Creation date	20th November 2024		
Revision date		Version	4.1

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

1.1. Product identifier CLEAN

Substance / mixture: mixture

Number: 1 02.0021 - 5 l; 1 02.0022 - 10 l (canister); 1 02.0023 - 30 l (canister)

UFI: QEPQ-HXWC-JF9M-JFN6

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

Mixture's intended use

Degreasing agent. For professional use only.

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	RETECH, s.r.o.
Address	Vackova 1541/4, Praha 5 - Stodůlky, 155 00 Czech Republic
Identification number (CRN)	25018205
VAT Reg No	CZ25018205
Phone	+420327596428
E-mail	info@retech.cz
Web address	www.retech.com

Competent person responsible for the safety data sheet

Name	RETECH, s.r.o.
E-mail	info@retech.cz

1.4. Emergency telephone number

European emergency number: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Flam. Liq. 2, H225
Asp. Tox. 1, H304
Skin Irrit. 2, H315
STOT SE 3, H336
Aquatic Chronic 2, H411

Most serious adverse physico-chemical effects

Highly flammable liquid and vapour.

Most serious adverse effects on human health and the environment

May cause drowsiness or dizziness. Causes skin irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram

Signal word

Danger

Hazardous substances

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
Hydrocarbons, C6, isoalkanes, <5% n-hexane

Hazard statements

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P391	Collect spillage.

Supplemental information

Density	0.719 g/cm³
VOC limit value	cat. B (a) : 850 g/l
Max. VOC content in the product in its ready to use condition	<850 g/l

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 921-024-6 Registration number: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	70-<90	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
EC: 931-254-9 Registration number: 01-2119484651-34	Hydrocarbons, C6, isoalkanes, <5% n-hexane	10-<20	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 601-037-00-0 CAS: 110-54-3 EC: 203-777-6	n-hexane	1-<5	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2 (***), H361f STOT RE 2 (**), H373 Aquatic Chronic 2, H411 Specific concentration limit: STOT RE 2, H373: C ≥ 5 %	1
Index: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6 Registration number: 01-2119457610-43	ethanol	1-<5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	
Index: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0 Registration number: 01-2119457290-43	butanone	<1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 10 % STOT SE 3, H336: C > 20 %	1
Index: 603-117-00-0 CAS: 67-63-0 EC: 200-661-7	isopropanol	<1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 10 % STOT SE 3, H336: C > 20 %	

Notes

** *another exposure route cannot be ruled out*

** *reproductive toxicity: supplementary letters specify whether fetal harm (d) or fertility harm (f) may*
* *occur*

1 *A substance for which exposure limits are set.*

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. Ensure calm environment for body and mind. Protect the person against growing cold. Remove all ignition sources; provide sufficient ventilation. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Protect the person against growing cold. If required, provide artificial respiration. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 15 minutes. In the event of issues, find medical help.

If swallowed

DO NOT INDUCE VOMITING! If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Provide medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

If inhaled

May cause drowsiness or dizziness. There may be shortness of breath. Cough, headache. Nausea.

If on skin

Causes skin irritation.

If in eyes

Not expected.

If swallowed

May be fatal if swallowed and enters airways.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, sand, powder. Foam. Water mist.

Unsuitable extinguishing media

Water - full jet. Vapours mixed up with air can be explosive.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage. Vapours mixed up with air can be explosive. Vapors from gases are heavier than air. Vapour may travel considerable distance to source of ignition and flash back. In a fire or if heated, a pressure increase will occur and the container may burst.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Use non-sparking tools. Move containers from fire area if safe to do. Evacuate area. Keep unprotected persons away. Fight fire with normal precautions from a reasonable distance. Closed containers with the product near the fire should be cooled with water. Dispose of contaminated extinguishing water and remains after the fire in accordance with the official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Highly flammable liquid and vapour. Remove all ignition sources. No smoking. Keep away from hot surfaces and open flames. Use non-sparking tools. Use explosion-proof electrical/ventilating/lighting equipment. Prevent other leakage. Evacuate area. Keep unprotected persons away. Prevent contact with skin and eyes. Use personal protective equipment for work. Do not inhale mist/vapours/spray. Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains. Prevent other leakage. In the event of leakage into water, prevent other spread of the product via oil boom. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies.

6.3. Methods and material for containment and cleaning up

Large spills may be taken up with pump. Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes. No smoking. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Do not eat, drink or smoke when using this product. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Do not use compressed air for filling, emptying or another handling. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not store together with oxidising agent. Do not store together with food, drink and animal feed.

Content	Packaging type	Material of package
5 l	jerry can	
10 l	jerry can	
30 l	jerry can	

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

European Union — **Commission Directive 2000/39/EC**

Substance name (component)	Type	Value
butanone (CAS: 78−93−3)	OEL 8 hours	600 mg/m³
	OEL 8 hours	200 ppm
	OEL 15 minutes	900 mg/m³
	OEL 15 minutes	300 ppm

European Union — **Commission Directive 2006/15/EC**

Substance name (component)	Type	Value
n−hexane (CAS: 110−54−3)	OEL 8 hours	72 mg/m³
	OEL 8 hours	20 ppm

DNEL

butanone			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	600 mg/m³	Chronic effects systemic
Workers	Inhalation	900 mg/m³	Acute effects systemic
Workers	Dermal	1161 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	106 mg/m³	Chronic effects systemic
Consumers	Inhalation	450 mg/m³	Acute effects systemic
Consumers	Dermal	412 mg/kg bw/day	Chronic effects systemic
Consumers	Oral	31 mg/kg bw/day	Chronic effects systemic

ethanol			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	380 mg/m³	Chronic effects systemic
Workers	Dermal	8238 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	114 mg/m³	Chronic effects systemic

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			
Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	699 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	699 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	773 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	608 mg/m³	Chronic effects systemic
Workers	Inhalation	2035 mg/m³	Chronic effects systemic

Hydrocarbons, C6, isoalkanes, <5% n-hexane			
Workers / consumers	Route of exposure	Value	Effect
Workers	Dermal	13964 mg/kg bw/day	Chronic effects systemic
Workers	Inhalation	5306 mg/m³/8h	Chronic effects systemic
Consumers	Dermal	1377 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	1131 mg/m³/24h	Chronic effects systemic
Consumers	Oral	1301 mg/kg bw/day	Chronic effects systemic

PNEC

ethanol	
Route of exposure	Value
Freshwater environment	0.96 mg/l
Marine water	0.79 mg/l
Microorganisms in sewage treatment	580 mg/l
Freshwater sediment	3.6 mg/kg of dry substance of sediment
Sea sediments	2.9 mg/kg of dry substance of sediment
Soil (agricultural)	0.63 mg/kg of dry substance of soil
Food chain	380 mg/kg of food

8.2. Exposure controls

Use personal protective equipment that is clean and has been properly maintained. Take off contaminated clothing and wash before reuse. Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Ensure workplace is equipped with a safety shower and eye wash station.

Eye/face protection

Protective goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. EN ISO 374-1. Use barrier creams for skin protection. Not suitable are gloves made of the following materials: Rubber (natural). Nitrile rubber. Butyl rubber. Material of gloves: PVC. Neoprene. Penetration time of glove material: ≥480 min. Recommended thickness of the material: ≥ 0.35 mm. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Wash contaminated reusable gloves with water before removing and store in a well-ventilated place. Other protection: protective workwear and footwear. Wear anti-static protective clothing if there is a risk of ignition from static electricity.

Respiratory protection

Mask with a filter against organic vapours in a poorly ventilated environment. Filter A. Use insulating breathing apparatus in case of an accident, fire or high concentration.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	yellow
color intensity	light
Odour	according to fragrance
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	>35 °C
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	60-99 °C
Flammability	inflammable
Lower and upper explosion limit	
bottom	0.8 %
upper	8 %
Flash point	<23 °C
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	35 °C
Auto-ignition temperature	>230 °C
Decomposition temperature	data not available
pH	non-polar/aprotic
Kinematic viscosity	data not available
Solubility in water	insoluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	113 hPa at 20 °C
Density and/or relative density	

Density	0.719 g/cm³
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid

data not available

9.2. Other information

Explosive properties	The product does not have explosive properties but can be explosive when blended with air.
VOC limit value	cat. B (a) : 850 g/l
Max. VOC content in the product in its ready to use condition	<850 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is highly flammable.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Vapours mixed up with air can be explosive. Strong oxidizing agents. Fire hazard.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating.

10.5. Incompatible materials

Protect against strong oxidizing agents. Rubber (natural, latex). Butyl rubber. Nitrile rubber.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on the available data, the criteria for classification of the mixture are not met.

CLEAN						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	ATE	1075000 mg/kg				Calculation of value
Dermal	ATE	3448000 mg/kg				Calculation of value
Inhalation (vapor)	ATE	34480 mg/l				Calculation of value

butanone						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	LD_{50}	3300 mg/kg		Rat		
Dermal	LD_{50}	6400-8000 mg/kg		Rabbit		

ethanol						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	LD_{50}	6200 mg/kg		Rat		
Dermal	LD_{50}	20000 mg/kg		Rabbit		
Inhalation	LC_{50}	5.9 mg/l	6 hours	Rat		

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	LD_{50}	>5840 mg/kg		Rat (Rattus norvegicus)	F/M	Read-across
Oral	LD_{50}	>2800-3100 mg/kg		Rat (Rattus norvegicus)	F/M	Read-across
Inhalation (vapor)	LC_{50}	>25.2 mg/l	4 hours	Rat (Rattus norvegicus)		

isopropanol						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination
Oral	LD_{50}	5480 mg/kg		Rat		
Dermal	LD_{50}	12800 mg/kg		Rabbit		
Inhalation	LD_{50}	72.6 mg/l	4 hours	Rat		

Skin corrosion/irritation
Causes skin irritation. Data for the components of the mixture are not available.

Serious eye damage/irritation
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Respiratory or skin sensitisation
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Germ cell mutagenicity
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Reproductive toxicity
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure
May cause drowsiness or dizziness. Data for the components of the mixture are not available.

Toxicity for specific target organ - repeated exposure
No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Aspiration hazard

May be fatal if swallowed and enters airways. Data for the components of the mixture are not available.

11.2. Information on other hazards

Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

Other information

not available

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects.

Acute toxicity

butanone							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC_{50}		2993 mg/l	96 hours	Fish (Pimephales promelas)			
EC_{50}		308 mg/l	48 hours	Daphnia (Daphnia magna)			
EC_{50}		4300 mg/l	7 days	Algae (Scenedesmus quadricauda)			

ethanol							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC_{50}		11200 mg/l	24 hours	Fish (Oncorhynchus mykiss)			
LC_{50}		8140 mg/l	48 hours	Fish (Leuciscus idus)			
LC_{50}		15.3 g/l	96 hours	Fish (Pimephales promelas)			
EC_{50}		10800 mg/l	24 hours	Daphnia (Daphnia magna)			

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC_{50}	OECD 203	11.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)		Experimentally	
EC_{50}	OECD 202	3 mg/l	48 hours	Daphnia (Daphnia magna)		Experimentally	
EC_{50}	OECD 201	10 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		Biomass, Experimentally	

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
EC_{50}	OECD 201	30 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		Experimentally, Indicator of growth	
EC_{50}	OECD 201	35.57 mg/l	48 hours	Microorganisms (Tetrahymena pyriformis)		QSAR	

isopropanol							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC_{50}		8970-9280 mg/l	48 hours	Fish (Leuciscus idus)			
LC_{50}		9640 mg/l	96 hours	Fish (Pimephales promelas)			
EC_{50}		>10000 mg/l	24 hours	Invertebrates (Artemia salina)			
EC_{50}		>1000 mg/l	24 hours	Invertebrates (Daphnia magna)			

n-hexane							
Parameter	Method	Value	Exposure time	Species	Environment	Value determination	Source
LC_{50}		2.5 mg/l	96 hours	Fish (Pimephales promelas)			Geiger et al. 1990

Chronic toxicity

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
NOEC		2045 mg/l	28 days	Fish (Oncorhynchus mykiss)		QSAR, Indicator of growth
NOEC	OECD 201	1 mg/l	21 days	Daphnia (Daphnia magna)		Read-across

12.2. Persistence and degradability

Data for the mixture are not available. Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended.

Biodegradability

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301F	98 %	28 days		

12.3. Bioaccumulative potential

Data for the mixture are not available.

ethanol					
Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
BCF	0.66				

12.4. Mobility in soil

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Floats on water. Adsorption to the solid soil phase is expected.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Endocrine disrupting properties

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

12.7. Other adverse effects

not available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

16 03 05* organic wastes containing hazardous substances

Packaging waste type code

15 01 10* packaging containing residues of or contaminated by hazardous substances

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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SECTION 14: Transport information

14.1. UN number or ID number

UN 3295

14.2. UN proper shipping name

HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane; hydrocarbons, C6, isoalkanes, <5% n-hexane)

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

II

14.5. Environmental hazards

Yes

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.	**33**
UN number	**3295**
Classification code	F1
Safety signs	3+hazardous for the environment

Road transport - ADR

Special provisions	640D
Limited quantities	5 L
Excepted quantities	E2
Transport category	2
Tunnel restriction code	(D/E)

Railway transport - RID

Excepted quantities	E2
Transport category	2

Air transport - ICAO/IATA

Packaging instructions for limited amount	Y341
Packaging instructions passenger	353
Cargo packaging instructions	364

Marine transport - IMDG

EmS (emergency plan)	F-E, S-D
MFAG	310

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Additional information in accordance with Regulation (EC) no. 648/2004 on detergents, as amended

>=30 % aliphatic hydrocarbons, perfumes, Benzyl salicylate, Linalool, Hexyl cinnamal, Limonene

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Guidelines for safe handling used in the safety data sheet

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P391	Collect spillage.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC_{50}	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC_{50}	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD_{50}	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.	Reproductive toxicity

RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 4.1 replaces the SDS version from Monday, 18 December 2023. Changes were made in sections 1, 2, 11, 12, 15 and 16.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.