

CLEANER 600

Creation date	23rd October 2023	Version	3.0
Revision date			

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

- 1.1. Product identifier** CLEANER 600
Substance / mixture mixture
Number 1 04.6000
UFI RUXF-F42F-6Y0Y-EUY8
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Cleaning agent. Degreasing agent.
Mixture uses advised against
For professional use only.
- 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.

Aerosol 1, H229, H222
Asp. Tox. 1, H304
Skin Irrit. 2, H315
STOT SE 3, H336
Aquatic Chronic 2, H411

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

Most serious adverse physico-chemical effects

Pressurised container: May burst if heated. Extremely flammable aerosol.

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

CLEANER 600

Creation date	23rd October 2023	Version	3.0
Revision date			

Hazardous substances

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

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
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.
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.
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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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.

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	40-55	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
EC: 927-510-4 Registration number: 01-2119475515-33	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	40-55	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	35-45	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
Index: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 Registration number: 01-2119471330-49	acetone	5-<10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	1

CLEANER 600

Creation date 23rd October 2023

Revision date

Version

3.0

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 124-38-9 EC: 204-696-9	carbon-dioxide	<5	Press. Gas (compressed gas), H280	1
Index: 601-037-00-0 CAS: 110-54-3 EC: 203-777-6	n-hexane	<3	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: 601-017-00-1 CAS: 110-82-7 EC: 203-806-2	cyclohexane	<2	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)	1, 2

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.

2 The use of the substance is restricted by Annex XVII of REACH Regulation

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. 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. In the event of unconsciousness, do not provide food by mouth. Take off contaminated clothing.

If inhaled

Transfer the affected person to the fresh air and ensure calm environment for body and mind. If the affected person is not breathing, breathing is irregular or in respiratory arrest provide artificial respiration or oxygen. If aspiration into the lungs is suspected, e.g. when vomiting, admit to hospital immediately. In the event of issues, find medical advice.

If on skin

Remove contaminated clothes immediately. Immediately wash with water and soap and rinse thoroughly.

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 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

Unlikely. Ensure calm environment for body and mind. Rinse the mouth with clean water only if the person is conscious. 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). Do not provide anything to eat or drink. 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.

CLEANER 600

Creation date	23rd October 2023	Version	3.0
Revision date			

4.2. Most important symptoms and effects, both acute and delayed**If inhaled**

May cause drowsiness or dizziness.

If on skin

Causes skin irritation.

If in eyes

not available

If swallowed

not available

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, foam, powder. Water mist.

Unsuitable extinguishing media

Water - full jet.

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.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. 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. Pressurised container: May burst if heated. Extremely flammable aerosol. Remove all ignition sources. Use personal protective equipment for work. Do not eat, drink or smoke when using this product. Follow the instructions in the Sections 7 and 8. Do not inhale vapours. Keep unprotected persons away. Vapors from gases are heavier than air. Prevent vapors from entering drains.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains. Risk of formation of explosive vapours above water surface.

6.3. Methods and material for containment and cleaning up

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.

CLEANER 600

Creation date	23rd October 2023	Version	3.0
Revision date			

SECTION 7: Handling and storage
7.1. Precautions for safe handling

Use personal protective equipment as per Section 8. Use only outdoors or in a well-ventilated area. Do not inhale vapours. Do not inhale aerosols. Do not get in eyes, on skin, or on clothing. Do not spray on an open flame or other ignition source. Electrostatic charge may be formed during use; use only earthed piping (tubing) when repumping. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Use explosion-proof electrical equipment. Take action to prevent static discharges. Do not use compressed air for filling, emptying or another handling. Protect against direct sunlight. Keep away from heat, open flames. Observe valid legal regulations on safety and health protection. Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work area and clothing is recommended. Do not use solvents. Wash hands and exposed parts of the body thoroughly after handling.

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. Keep only in original packaging. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Use explosion-proof electrical equipment. Product must be handled in such a way as to avoid accidental release. Store in a closed container. Protect against strong acids and oxidizing agents.

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
acetone (CAS: 67-64-1)	OEL 8 hours	1210 mg/m ³
	OEL 8 hours	500 ppm

European Union
Commission Directive 2006/15/EC

Substance name (component)	Type	Value
carbon-dioxide (CAS: 124-38-9)	OEL 8 hours	9000 mg/m ³
	OEL 8 hours	5000 ppm
n-hexane (CAS: 110-54-3)	OEL 8 hours	72 mg/m ³
	OEL 8 hours	20 ppm
cyclohexane (CAS: 110-82-7)	OEL 8 hours	700 mg/m ³
	OEL 8 hours	200 ppm

DNEL

acetone					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	62 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	62 mg/kg bw/day	Chronic effects systemic		
Workers	Dermal	186 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	2420 mg/m ³	Acute effects local		
Consumers	Inhalation	200 mg/m ³	Chronic effects systemic		
Workers	Inhalation	1210 mg/m ³	Chronic effects systemic		

CLEANER 600

Creation date

23rd October 2023

Revision date

Version

3.0

Hydrocarbons, C6, isoalkanes, <5% n-hexane					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	13964 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	5306 mg/m ³ /8h	Chronic effects systemic		
Consumers	Dermal	1377 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	1131 mg/m ³ /24h	Chronic effects systemic		
Consumers	Oral	1301 mg/kg bw/day	Chronic effects systemic		

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
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/m ³	Chronic effects systemic		
Workers	Inhalation	2035 mg/m ³	Chronic effects systemic		

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	2085 mg/m ³	Chronic effects systemic		
Workers	Dermal	300 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	447 mg/m ³	Chronic effects systemic		
Consumers	Dermal	149 mg/kg bw/day	Chronic effects systemic		
Consumers	Oral	149 mg/kg bw/day	Chronic effects systemic		

PNEC

acetone			
Route of exposure	Value	Value determination	Source
Marine water	1.06 mg/l		
Freshwater sediment	30.4 mg/kg of dry substance of sediment		
Soil (agricultural)	29.5 mg/kg		
Sea sediments	3.04 mg/kg of dry substance of sediment		
Microorganisms in sewage treatment	100 mg/l		

CLEANER 600

Creation date	23rd October 2023	Version	3.0
Revision date			

acetone			
Route of exposure	Value	Value determination	Source
Freshwater environment	10.6 mg/l		
Water (intermittent release)	21 mg/l		

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. Ensure that persons handling with the product wear protective equipment. Take off contaminated clothing and wash before reuse. 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. Prevent contact with skin and eyes. Do not inhale mist/vapours/spray. Do not store together with food, drink and animal feed.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. EN ISO 374-1. Material of gloves: Butyl rubber. Nitrile rubber. 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.

When handling in long-term or repeatedly, use protective gloves:

Nitrile rubber (Penetration time of glove material: ≥ 480 min. Recommended thickness of the material: ≥ 0.55 mm).

PVA (Penetration time of glove material: ≥ 480 min. Recommended thickness of the material: ≥ 0.15 mm).

Fluororubber (Penetration time of glove material: ≥ 480 min. Recommended thickness of the material: ≥ 0.5 mm).

In case of splashing risk:

Nitrile rubber (Penetration time of glove material: >60 min. Recommended thickness of the material: ≥ 0.38 mm).

Neoprene (Penetration time of glove material: >60 min. Recommended thickness of the material: ≥ 0.75 mm).

Other protection: protective workwear.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter AX. Filter AX/P2. The protection provided by masks is in any case limited.

Thermal hazard

Not available.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	liquid
Colour	colourless
Odour	after solvents
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	51-61 °C (uhlovodíky C6 - ASTM D 1078)
Boiling point or initial boiling point and boiling range	55.8-56.6 °C (aceton)
Boiling point or initial boiling point and boiling range	83-108 °C (Uhlovodíky C7 - ISO 3405)
Boiling point or initial boiling point and boiling range	61-94 °C (Uhlovodíky C6-C7 - ISO 3405)
Flammability	Extremely flammable aerosol.
Lower and upper explosion limit	
bottom	0.8 % (uhlovodíky)
upper	8 % (uhlovodíky)
Flash point	data not available
Auto-ignition temperature	>230 °C (uhlovodíky C6 - ASTM E 659)
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available

CLEANER 600

Creation date	23rd October 2023	Version	3.0
Revision date			

Solubility in water	data not available
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	<70 hPa at 20 °C (Uhlovodíky C7)
Vapour pressure	113 hPa at 20 °C (Uhlovodíky C6-C7)
Density and/or relative density	
Density	0.7 g/cm ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	spray
data not available	

9.2. Other information

Evaporation rate	non-applicable
Content of organic solvents (VOC)	0.95 kg/kg

SECTION 10: Stability and reactivity
10.1. Reactivity

The product is stable and no degradation occurs under normal use.

10.2. Chemical stability

The product is stable under normal conditions. Keep away from heat, open flames. Excessively high temperatures can cause thermal decomposition.

10.3. Possibility of hazardous reactions

Protect against strong acids and oxidizing agents.

10.4. Conditions to avoid

Pressurised container: May burst if heated. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Take action to prevent static discharges.

10.5. Incompatible materials

Protect against strong acids and oxidizing agents.

10.6. Hazardous decomposition products

In the event of fire, carbon monoxide, carbon dioxide may arise.

SECTION 11: Toxicological information
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the mixture.

Acute toxicity

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

acetone						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		5800 mg/kg		Rat	
Inhalation (gases)	LC ₅₀		76 mg/l	24 hours	Rat	
Inhalation (gases)	LC ₅₀		>50100 mg/m ³	8 hours	Rat	
Oral	LD ₅₀		3000 mg/kg		Mouse	
Oral	LD		0.05 g/kg		Human	
Oral	IDLH (Immediately Dangerous for Life and Health)		2500 ppm			

CLEANER 600

Creation date

23rd October 2023

Revision date

Version

3.0

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀	OECD 401	>16750 mg/kg bw		Rat	
Dermal	LD ₅₀	OECD 402	>3350 mg/kg bw	4 hours	Rabbit	
Inhalation (vapor)	LC ₅₀	OECD 403	259354 mg/m ³	4 hours	Rat	

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

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		>5840 mg/kg		Rat	
Dermal	LD ₅₀		>2920 mg/kg		Rabbit	
Inhalation	LC ₅₀		>25 mg/l	4 hours	Rat	

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀		>5840 mg/kg		Rat	
Dermal	LD ₅₀		>2920 mg/kg		Rat	
Inhalation (vapor)	LC ₅₀		23300 mg/m ³	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.

CLEANER 600

Creation date	23rd October 2023	Version	3.0
Revision date			

11.2. Information on 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.

SECTION 12: Ecological information
12.1. Toxicity

Toxic to aquatic life with long lasting effects.

Acute toxicity

acetone						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC ₅₀		5540 mg/l	96 hours	Fish (Oncorhynchus mykiss)		
LC ₅₀		8300 mg/l	96 hours	Fish (Lepomis macrochirus)		
LC ₅₀		12600 mg/l	48 hours	Daphnia (Daphnia magna)		
NOEC		4740 mg/l	48 hours	Algae (Pseudokirchneriella subcapitata)		

Hydrocarbons, C6, isoalkanes, <5% n-hexane						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
ErL ₅₀		13.6 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		QSAR
EL ₅₀		31.9 mg/l	48 hours	Daphnia (Daphnia magna)		QSAR
LL ₅₀		18.3 mg/l	96 hours	Fish (Oncorhynchus mykiss)		QSAR
NOELR		3 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		QSAR, Indicator of growth

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LL ₅₀	OECD 203	11.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)		
EL ₅₀	OECD 202	3 mg/l	48 hours	Daphnia (Daphnia magna)		
ErL ₅₀	OECD 201	30-100 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		
EbL ₅₀	OECD 201	10-30 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
ErL ₅₀	OECD 201	10-30 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		

CLEANER 600

Creation date

23rd October 2023

Revision date

Version

3.0

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
EL ₅₀	OECD 202	3 mg/l	48 hours	Daphnia		
NOELR	OECD 201	6.3 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		Indicator of growth
LL ₅₀	OECD 203	>13.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)		

Chronic toxicity

Hydrocarbons, C6, isoalkanes, <5% n-hexane						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
NOELR		7.14 mg/l	21 days	Daphnia (Daphnia magna)		QSAR
NOELR		4.09 mg/l	28 days	Fish (Oncorhynchus mykiss)		QSAR

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
NOEL	OECD 201	3 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		Indicator of growth
NOEL	OECD 201	3 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)		Biomass
NOELR	OECD 211	1 mg/l	21 days	Daphnia (Daphnia magna)		
NOELR		2.04 mg/l	28 days	Fish (Oncorhynchus mykiss)		QSAR

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics						
Parameter	Method	Value	Exposure time	Species	Environment	Value determination
EL ₅₀	OECD 202	1 mg/l	21 days	Daphnia (Daphnia magna)		
NOELR		1.53 mg/l	28 days	Fish (Oncorhynchus mykiss)		QSAR

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

acetone						
Parameter	Method	Value	Exposure time	Environment	Result	
		91 %	28 days		Easily biodegradable	

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

CLEANER 600Creation date 23rd October 2023
Revision date Version 3.0**hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301F	98 %	28 days		Easily biodegradable

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301F	98 %	28 days		Easily biodegradable

12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

12.4. Mobility in soil

No data are available for either the mixture or the components.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

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.

12.7. Other adverse effects

not available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Proceed in accordance with valid regulations on waste disposal. 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. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Dispose unused product as hazardous 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 05 04 gases in pressure containers (including halons) containing hazardous substances *

Packaging waste type code

15 01 11 metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers *

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

SECTION 14: Transport information**14.1. UN number or ID number**

UN 1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

2 Gases

14.4. Packing group

not relevant

14.5. Environmental hazards

Yes

14.6. Special precautions for user

Reference in the Sections 4 to 8.

CLEANER 600

Creation date 23rd October 2023
Revision date Version 3.0

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

Hazard identification No.  1950
UN number 5F
Classification code 2.1+hazardous for the environment
Safety signs  

Road transport - ADR

Limited quantities 1 L
Excepted quantities E0
Transport category 2
Tunnel restriction code (D)

Railway transport - RID

Excepted quantities E0

Air transport - ICAO/IATA

Packaging instructions for limited amount Y203
Packaging instructions passenger 203
Cargo packaging instructions 203

Marine transport - IMDG

EmS (emergency plan) F-D, S-U
Marine Pollutant Yes

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. Product contains reportable explosives precursors: Reporting of suspicious transactions, disappearances and thefts according to Regulation (EU) 2019/1148, Article 9. 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).

CLEANER 600Creation date
Revision date

23rd October 2023

Version

3.0

Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

cyclohexane

Restriction	Conditions of restriction
57	<p>1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of neoprene-based contact adhesives in concentrations equal to or greater than 0,1 % by weight in package sizes greater than 350 g.</p> <p>2. Neoprene-based contact adhesives containing cyclohexane and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.</p> <p>3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that neoprene-based contact adhesives containing cyclohexane in concentrations equal to or greater than 0,1 % by weight that are placed on the market for supply to the general public after 27 December 2010 are visibly, legibly and indelibly marked as follows:</p> <p>"— This product is not to be used under conditions of poor ventilation. — This product is not to be used for carpet laying."</p>

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

>=30 % aliphatic hydrocarbons

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**

H222	Extremely flammable aerosol.
H225	Highly 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.
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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

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.
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.
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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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

EUH066	Repeated exposure may cause skin dryness or cracking.
--------	---

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.

CLEANER 600

Creation date	23rd October 2023	Version	3.0
Revision date			

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
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
EINECS	European Inventory of Existing Commercial Chemical Substances
EL ₅₀	Effective Loading for 50% of the tested organisms
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
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
LL ₅₀	Lethal Loading for 50% of tested organisms
log K _{ow}	Octanol-water partition coefficient
NOEC	No observed effect concentration
NOEL	No observed effect level
NOELR	No Observed Effect Loading Rate
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
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
Aerosol	Aerosol
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Press. Gas	Gases under pressure
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

Training guidelines

CLEANER 600

Creation date	23rd October 2023	Version	3.0
Revision date			

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 3.0 replaces the SDS version from 14 July 2022. Changes were made in sections 1, 2, 3, 8, 11, 12, 13, 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.