

**AUTOCLEAN**

Creation date	13th September 2022	Version	4.0
Revision date			

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

- 1.1. Product identifier** AUTOCLEAN  
Substance / mixture mixture  
Number R 34708 - 1L/R 34709 - 5L/R 34710 - 10L kanystř  
UFI MU33-S3UN-U00F-R1PN
- 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.

Flam. Liq. 2, H225  
Asp. Tox. 1, H304  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
STOT SE 3, H336, H335  
STOT RE 2, H373  
Aquatic Chronic 2, H411

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

**Most serious adverse physico-chemical effects**

Highly flammable liquid and vapour.

**Most serious adverse effects on human health and the environment**

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Causes skin irritation. May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. May cause respiratory irritation. Toxic to aquatic life with long lasting effects.

- 2.2. Label elements**

**Hazard pictogram****Signal word**

Danger

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**Hazardous substances**

 hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics  
 xylene (contains ethylbenzene - CAS 100-41-4)

**Hazard statements**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
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.

**Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P331	Do NOT induce vomiting.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to in accordance with national regulations.

**Supplemental information**

&gt;=30 % aromatic hydrocarbons, &gt;=30 % aliphatic hydrocarbons

**2.3. Other hazards**

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: 920-750-0 Registration number: 01-2119473851-33	hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	50-<75	Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411	
EC: 905-588-0 Registration number: 01-2119488216-32	xylene (contains ethylbenzene - CAS 100-41-4)	25-<50	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312+H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373	

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**

Symptoms of poisoning may manifest after many hours, medical supervision is necessary for 48 hours after the accident.

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**If inhaled**

Transfer the affected person to the fresh air and ensure calm environment for body and mind. In the event of issues, find medical advice. In case of unconsciousness place patient stably in side position for transportation.

**If on skin**

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. In the event of issues, find medical advice.

**If swallowed**

DO NOT INDUCE VOMITING! Provide medical treatment.

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

May cause respiratory irritation. May cause drowsiness or dizziness.

**If on skin**

Causes skin irritation.

**If in eyes**

Causes serious eye irritation.

**If swallowed**

not available

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

not available

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water mist.

**Unsuitable extinguishing media**

Water - full jet.

**5.2. Special hazards arising from the substance or mixture**

not available

**5.3. Advice for firefighters**

Use a self-contained breathing apparatus and full-body protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide sufficient ventilation. Use personal protective equipment for work. Keep unprotected persons away.

**6.2. Environmental precautions**

Prevent seepage into sewage system, workpits and cellars. 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.

**6.3. Methods and material for containment and cleaning up**

Provide sufficient ventilation. 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. Do not flush with water or aqueous cleansing agents.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

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

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Take precautionary measures against static discharge.

**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 container tightly closed.

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**7.3. Specific end use(s)**

not available

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**

The mixture contains no substances for which occupational exposure limits are set.

**DNEL**

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	2035 mg/m <sup>3</sup>	Systemic chronic effects		
Workers	Dermal	773 mg/kg bw/day	Systemic chronic effects		
Consumers	Inhalation	608 mg/m <sup>3</sup>	Systemic chronic effects		
Consumers	Dermal	699 mg/kg bw/day	Systemic chronic effects		
Consumers	Oral	699 mg/kg bw/day	Systemic chronic effects		

xylene (contains ethylbenzene - CAS 100-41-4)

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	1.6 mg/kg bw/day	Systemic chronic effects		
Consumers	Dermal	108 mg/kg bw/day	Systemic chronic effects		
Workers	Dermal	180 mg/kg bw/day	Systemic chronic effects		
Workers	Inhalation	289 mg/m <sup>3</sup>	Local acute effects		
Consumers	Inhalation	14.8 mg/m <sup>3</sup>	Systemic chronic effects		
Workers	Inhalation	77 mg/m <sup>3</sup>	Systemic chronic effects		

**PNEC**

xylene (contains ethylbenzene - CAS 100-41-4)

Route of exposure	Value	Value determination	Source
Freshwater environment	0.327 mg/l		
Seawater	0.327 mg/l		
Freshwater sediment	12.46 mg/kg of dry substance of sediment		
Soil (agricultural)	2.31 mg/kg of dry substance of soil		
Microorganisms in wastewater treatment plants	6.58 mg/l		
Sea sediments	12.46 mg/kg of dry substance of sediment		

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**8.2. Exposure controls**

Do not store together with food, drink and animal feed. Take off contaminated clothing. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Do not inhale mist/vapours/spray. Prevent contact with skin and eyes.

**Eye/face protection**

Tightly sealed goggles. EN166 - Personal Eye Protection Standard.

**Skin protection**

Hand protection: Protective gloves resistant to the product. Material of gloves: Nitrile rubber, NBR. Recommended thickness of the material:  $\geq 0.5$  mm. Penetration time of glove material:  $\geq 480$  min. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection. Filter AX/P2.

**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	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	98-140 °C
Flammability	Highly flammable liquid and vapour.
Lower and upper explosion limit	
bottom	0,7 %
upper	7,0 %
Flash point	2 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	almost insoluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	30 hPa at 20 °C
Density and/or relative density	
Density	0,797 g/cm <sup>3</sup> at 20 °C
Form	liquid
data not available	

**9.2. Other information**

Evaporation rate	data not available
Ignition temperature	> 200 °C
Explosive properties	The product does not have explosive properties but can be explosive when blended with air.
Content of organic solvents (VOC)	100,0 %
Solid content (dry matter)	0,0 % volume
Max. VOC content in the product in its ready to use condition	797,0 g/l
Product is not selfigniting.	

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**SECTION 10: Stability and reactivity****10.1. Reactivity**

not available

**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Unknown.

**10.4. Conditions to avoid**

not available

**10.5. Incompatible materials**

not available

**10.6. Hazardous decomposition products**

Unknown.

**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**

Based on available data the classification criteria are not met.

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>5000 mg/kg		Rat	
Dermal	LD <sub>50</sub>	>2800 mg/kg		Rabbit	
Inhalation	LC <sub>50</sub>	>23 mg/l	4 hour	Rat	

xylene (contains ethylbenzene - CAS 100-41-4)

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	3523 mg/kg		Rat	
Dermal	LD <sub>50</sub>	12126 mg/kg		Rabbit	
Inhalation	LC <sub>50</sub>	27.124 mg/l	4 hour	Rat	

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

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.

**Toxicity for specific target organ - single exposure**

May cause drowsiness or dizziness. May cause respiratory irritation.

**Toxicity for specific target organ - 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**

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.

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**SECTION 12: Ecological information**
**12.1. Toxicity**
**Acute toxicity**

 Toxic to aquatic life with long lasting effects.  
 hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Parameter	Value	Exposure time	Species	Environment
LL 50	>13.4 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
EC <sub>50</sub>	3 mg/l	48 hour	Invertebrates (Daphnia magna)	
EL 50	10-30 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	

xylene (contains ethylbenzene - CAS 100-41-4)

Parameter	Value	Exposure time	Species	Environment
EC <sub>50</sub>	3.2-9.5 mg/l	48 hour	Daphnia (Daphnia magna)	
LC <sub>50</sub>	8.9-16.4 mg/l	96 hour	Fishes (Pimephales promelas)	

**Chronic toxicity**

hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Parameter	Value	Exposure time	Species	Environment
NOEC	0.17 mg/l	21 day	Invertebrates (Daphnia magna)	
LOEC	0.32 mg/l	21 day	Invertebrates (Daphnia magna)	
NOELR	10 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)	

xylene (contains ethylbenzene - CAS 100-41-4)

Parameter	Value	Exposure time	Species	Environment
NOEC	1.3 mg/l		Fishes	
NOEC	0.96 mg/l	7 day	Daphnia (Daphnia magna)	
NOEC	0.44 mg/l	72 hour	Algae	
NOEC	16 mg/l	28 day	Bacteria	

**12.2. Persistence and degradability**

The mixture is biodegradable.

**12.3. Bioaccumulative potential**

Not available.

**12.4. Mobility in soil**

Not available.

**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**

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Ecotoxical effects: Remark: Toxic for fish

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. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

### 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. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste.

#### 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

07 01 04 other organic solvents, washing liquids and mother liquors \*

#### 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

### SECTION 14: Transport information

#### 14.1. UN number or ID number

UN 3295

#### 14.2. UN proper shipping name

HYDROCARBONS, LIQUID, N.O.S.

#### 14.3. Transport hazard class(es)

3 Flammable liquids

#### 14.4. Packing group

II - substances presenting medium danger

#### 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

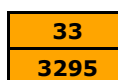
#### Additional information

Hazard identification No.

UN number

Classification code

Safety signs



F1

3+dangerous for the environment



#### Road transport - ADR

Limited quantities

Excepted quantities

Tunnel restriction code

1 L

E2

(D/E)

#### Railway transport - RID



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**Marine transport - IMDG**

EmS (emergency plan)

Marine Pollutant

F-E, S-D

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 of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended.

**15.2. Chemical safety assessment**

not available

**SECTION 16: Other information****A list of standard risk phrases used in the safety data sheet**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
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.
H312+H332	Harmful in contact with skin or if inhaled.

**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.
P261	Avoid breathing vapours.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to in accordance with national regulations.

**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
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EL <sub>50</sub>	Effective Loading for 50% of the tested organisms

# SAFETY DATA SHEET

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

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EmS	Emergency plan
ES	Identification code for each substance listed in EINECS
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
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
LL <sub>50</sub>	Lethal Loading for 50% of tested organisms
log K <sub>ow</sub>	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
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
PNEC	Predicted no-effect concentration
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
Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

### 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 4.0 replaces the SDS version from 12 June 2019. Changes were made in sections 2, 11, 12, 13, 15 and 16.

## SAFETY DATA SHEET

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

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#### 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.