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

- 1.1. Product identifier:  
Trade name: **AUTOCLEAN**  
Product code: **1L/5L/10L - R 34708/R 34709/R 34710**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:  
Uses of the mixture: Cleaner and degreaser  
Sector of use category (SU):  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites  
Process category (PROC):  
PROC7 Industrial spraying  
PROC11 Non industrial spraying
- 1.3. Details of the supplier of the safety data sheet:  
Identification of manufacturer/Supplier:  
RETECH, s.r.o.  
Vackova 1541/4  
150 00 Praha 5 - Stodůlky  
Czech Republic  
Telephone number/Fax: +420 327 596 128, +420 327 596 428  
E-mail: info@retech.cz
- 1.4. Emergency telephone number: RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic  
Telephone number: +420 327 596 128 (7.30-16.00 hour)  
Toxikologické informační středisko (Toxicology Information Centre),  
Na bojišti 1, 128 08 PRAHA 2, Czech Republic  
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

**2. SECTION 2: Hazards identification**

- 2.1. Classification of the substance or mixture:  
Classification according to Regulation (EC) No 1272/2008 [CLP]:  
Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Skin Irrit. 2 H315 Causes skin irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.  
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.  
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

- 2.2. Label elements:  
Labelling according to Regulation (EC) No 1272/2008 [CLP]:



Signal Word: Danger

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

Precautionary Statements:  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P233 Keep container tightly closed.  
P273 Avoid release to the environment.  
P271 Use only outdoors or in a well-ventilated area.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P331 Do NOT induce vomiting.  
P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/container in accordance with national regulation.

Contained dangerous substances:  
64742-49-0 Naphtha (petroleum), hydrotreated light

Regulation (EC) No 648/2004:  
Aliphatic hydrocarbons, aromatic hydrocarbons ≥30 %

2.3. Other hazards:  
Results of PBT and vPvB assessment:  
PBT: Not applicable  
vPvB: Not applicable

**3. SECTION 3: Composition/information on ingredients**

3.2. Mixtures:  
Description of the mixture: Mixture of active ingredients

Hazardous ingredients:

CAS: 64742-49-0	Naphtha (petroleum), hydrotreated light (containing < 0.1 % benzene)	50-<75 %
EINECS: 265-151-9	Flam. Liq. 2, H225; STOT SE 3, H336; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	
Reg.: 01-2119473851-33		
CAS: 1330-20-7	Xylene (mixture of isomers)	25-<50 %
EINECS: 215-535-7	Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	
Reg.: 01-2119488216-32		

For full text of H-statements: see SECTION 16.

Regulation (EC) No 648/2004:  
Aliphatic hydrocarbons, aromatic hydrocarbons ≥30 %  
aromatic hydrocarbons ≥30 %

**4. SECTION 4: First aid measures**

4.1. Description of first aid measures:  
General notes: Symptoms of poisoning may even occur after several hours, therefore provide medical observation for at least 48 hours after the accident.  
After inhalation: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.  
If required, provide artificial respiration.  
Get medical attention if any discomfort continues.  
In case of unconsciousness place patient stably in side position for transportation.  
After skin contact: Immediately wash with water and soap and rinse thoroughly.  
After eye contact: Remove contact lenses, if present and easy to do.  
Rinse cautiously with water for several minutes.  
Consult a doctor.  
After swallowing: Do not induce vomiting.  
Immediately call for a doctor.

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- 4.2. Most important symptoms and effects, both acute and delayed:  
No further relevant information available.
- 4.3. Indication of any immediate medical attention and special treatment needed:  
No further relevant information available.

**5. SECTION 5: Firefighting measures**

- 5.1. Extinguishing media:  
Suitable extinguishing agents: Carbon dioxide (CO<sub>2</sub>), fire-extinguishing powder, water spray, alcohol-resistant foam.  
For safety reasons unsuitable extinguishing agents:  
Water with full jet.
- 5.2. Special hazards arising from the substance or mixture:  
No further relevant information available.
- 5.3. Advice for firefighters: Wear protective clothing and self-contained breathing apparatus.

**6. SECTION 6: Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures:  
Wear protective equipment see Section 8.  
Keep unprotected persons away.  
Ensure adequate ventilation.
- 6.2. Environmental precautions: Do not allow to reach sewage system, surface water, ground water, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.
- 6.3. Methods and material for containment and cleaning up:  
Ensure adequate ventilation.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Do not flush with water or aqueous cleansing agents.  
Dispose contaminated material as waste according to Section 13.
- 6.4. Reference to other sections: See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7. SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling: Wear protective equipment see Section 8.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
Measures to prevent fire: Keep ignition sources away. Do not smoke.  
Protect against electrostatic charges.
- 7.2. Conditions for safe storage, including any incompatibilities:  
Technical measures and storage conditions:  
Store in a cool place.  
Requirements for storage rooms and vessels:  
Store in a cool place.  
Further information on storage conditions:  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.
- 7.3. Specific end use(s): No further relevant information available.

**8. SECTION 8: Exposure controls/personal protection**

- 8.1. Control parameters:  
Components with limit values that require monitoring at the workplace:

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WEL (United Kingdom): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
1330-20-7	Xylene (mix of isomers)	50	220	100	441	Skin, BMGV

OEL: 2000/39/EG, 2006/15/EG, 2009/161/EG

CAS	Substance	Eight hours		Short-term		Notation
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
1330-20-7	Xylene (mix of isomers)	50	221	100	442	Skin

DNEL:

64742-49-0 Naphtha (petroleum), hydrotreated light

Inhalation	Chronic effects systemic	2035	mg/m <sup>3</sup>		Workers
	Chronic effects systemic	608	mg/m <sup>3</sup>		Consumers
Dermal	Chronic effects systemic	773	mg/kg Body weight/day		Workers
	Chronic effects systemic	699	mg/kg Body weight/day		Consumers
Oral	Chronic effects systemic	699	mg/kg Body weight/day		Consumers

Biological limit values:

BMGV: EH40/2005

CAS	Substance	BMGV	Sampling time
1330-20-7	Xylene (mix of isomers)	650 mmol methyl hippuric acid/mol creatinine in urine	Post shift

Additional information: The lists that were valid during the compilation were as basis.

8.2.

Exposure controls:

Measures to prevent

exposure:

Ensure good ventilation/exhaustion at the workplace.

General protective measures:

Store away from foodstuffs, beverages and feed.

Take off immediately all contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid breathing vapours/spray.

Avoid skin and eye contact.

Personal protection equipment:

Breathing equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device.

Filter type: A/P2

In case of intensive or longer exposure use self-contained respiratory protective device.

Eye protection:

Tightly sealed goggles

Protection of hands:

Protective gloves

Solvent resistant gloves

The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation.

Material of gloves: Nitrile rubber

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Protection of skin:

Protective suit.

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**9. SECTION 9: Physical and chemical properties**

9.1. Information on basic physical and chemical properties:

Form:	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined
Value pH at 20 °C:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point/boiling range:	98 °C
Flash point:	2 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Explosive properties:	The product is not explosive. However, formation of explosive air/steam mixtures is possible.
Explosive limits:	
– lower:	0.7 vol. %
– upper:	7.0 vol. %
Vapour pressure at 20°C:	30 hPa
Vapour density at 20 °C:	Not determined
Density at 20°C:	0.796 g/cm <sup>3</sup>
Relative density:	Not determined
Solubility in/miscibility with:	
– water	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined
Ignition temperature:	>200 °C
Decomposition temperature:	Not determined
Self-igniting:	The product is not selfigniting.
Viscosity:	Not determined
Oxidising properties:	Not determined
9.2. Other information:	
Organic solvents:	100.0 %
VOC (EC):	796.0 g/l

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

10.1. Reactivity:	No further relevant information available.
10.2. Chemical stability:	No decomposition if used according to specifications.
10.3. Possibility of hazardous reactions:	No dangerous reactions known.
10.4. Conditions to avoid:	No further relevant information available.
10.5. Incompatible materials:	No further relevant information available.
10.6. Hazardous decomposition products:	No dangerous decomposition products known.

**11. SECTION 11: Toxicological information**

11.1. Information on toxicological effects:

Acute toxicity:  
LD/LC50 values relevant for classification:  
64742-49-0 Naphtha (petroleum), hydrotreated light

Oral	LD50	Rat	>5000 mg/kg
Dermal	LD50	Rabbit	>2800 mg/kg
Inhalative	LC50/4h	Rat	>23 mg/l

1330-20-7 Xylene (mix of isomers)

Oral	LD50	Rat	4300 mg/kg
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Dermal	LD50	Rabbit	2000 mg/kg
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Skin corrosion/irritation: Irritant to skin and mucous membranes.  
 Serious eye damage/irritation: Based on available data, the classification criteria are not met.  
 Respiratory or skin sensitization: Based on available data, the classification criteria are not met.  
 Germ cell mutagenicity: Based on available data, the classification criteria are not met.  
 Carcinogenicity: Based on available data, the classification criteria are not met.  
 Reproductive toxicity: Based on available data, the classification criteria are not met.  
 STOT-single exposure: May cause drowsiness or dizziness.  
 STOT-repeated exposure: Based on available data, the classification criteria are not met.  
 Aspiration hazard: May be fatal if swallowed and enters airways.  
 Other information: No further relevant information available.

**12. SECTION 12: Ecological information**

12.1. Toxicity:

Aquatic toxicity:

64742-49-0 Naphtha (petroleum), hydrotreated light

Fish:	LL50 /96h	Onchorhynchus mykiss	>13,4 mg/l
Invertebrates:	EC50 /48h	Daphnia magna	3 mg/l
	LOEC /21 days	Daphnia magna	0,32 mg/l
	NOEC /21 days	Daphnia magna	0,17 mg/l
Algae:	EL50 /72h	Pseudokirchneriella subcapitata	10-30 mg/l
	NOELR /72h	Pseudokirchneriella subcapitata	10 mg/l

1330-20-7 Xylene (mix of isomers)

Invertebrates:	EC50 /48h	Daphnia magna	3,2-9,5 mg/l
Algae:	LC50 /96h	Pimephales promelas	8,9-16,4 mg/l

12.2. Persistence and degradability: Easily biodegradable.

12.3. Bioaccumulative potential: No further relevant information available.

12.4. Mobility in soil: No further relevant information available.

Ecotoxic effects: Remark: Toxic for fish.

Additional ecological information:

General notes: Water danger 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.  
 Also toxic for water organisms.

12.5. Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

12.6. Other adverse effects: No further relevant information available.

**13. SECTION 13: Disposal considerations**

13.1. Waste treatment methods:






Product: Must not be disposed together with household garbage.  
 Do not allow product to reach sewage system.  
 Dispose in safe manner in accordance with local/national regulation.  
 Uncleaned packagings: Disposal must be made according to official regulations.

**14. SECTION 14: Transport information**

14.1. UN number:

ADR, IMDG, IATA UN3295

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14.2. UN proper shipping name:	
ADR	HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light), ENVIRONMENTALLY HAZARDOUS
IMDG	HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light), MARINE POLLUTANT
IATA	HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light)
14.3. Transport hazard class(es):	
ADR	 
Class	3 Flammable liquids
Hazard label	3
IMDG	 
Class	3
Hazard label	3
IATA	
Class	3
Hazard label	3
14.4. Packing group:	
ADR, IMDG, IATA	II
14.5. Environmental hazards:	The product contains environmentally hazardous substances:
	Naphtha (petroleum), hydrotreated light
Marine pollutant:	Yes
	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6. Special precautions for user:	Warning: flammable liquids
Danger Code (Kemler):	33
EMS Number:	F-E, S-D
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:	Not applicable
Transport/ Additional information:	
ADR	
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN3295, HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light), ENVIRONMENTALLY HAZARDOUS, 3, II

**15. SECTION 15: Regulatory information**

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

Used legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP), as amended

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Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended

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

**16. SECTION 16: Other information**

Relevant H-statements (Section 3):

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- BMGV: Biological monitoring guidance values
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level
- EC50: Median effective concentration to 50% of a population
- EINECS: European Inventory of Existing Commercial Chemical Substances
- EL50: Effective loading rate lethal to 50% of the test population
- IATA: International Air Transport Association
- IMDG: International Maritime Code for Dangerous Goods
- LC50: Median concentration lethal to 50 % of a test population
- LD50: Median dose lethal to 50 % of a test population
- LL50: Lethal loading rate for 50% of the test population
- LOEC: Lowest Observed Effect Concentration
- N.O.S.: Not Otherwise Specified entry
- NOEC: No Observed Effect Concentration
- NOELR: No Observable Effect Loading Rate
- PBT: Persistent, Bioaccumulative, Toxic
- Reg.nr.: Registration number
- TWA Time weighted average
- VOC: Volatile Organic Compounds
- vPvB: Very Persistent, Very Bioaccumulative
- WEL: Workplace exposure limits
- Acute Tox. 4: Acute toxicity, category 4
- Aquatic Chronic 2: Hazardous to the aquatic environment, category 2
- Asp. Tox. 1: Aspiration hazard, category 1
- Flam. Liq. 2: Flammable liquid, category 2
- Flam. Liq. 3: Flammable liquid, category 3
- Skin Irrit. 2: Skin irritation, category 2
- STOT SE 3: Specific target organ toxicity — single exposure, category 3

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer.

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**\*Compared to the last version the data has been changed.**