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

- 1.1. Product identifier : **AUTOCLEAN (spray) - R 34037**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against: Universal cleaning and degreasing agent
- 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
Telephone/Fax: +420 327 596 128, +420 327 596 428
Information: info@retech.cz
- 1.4. Emergency telephone number:
RETECH Suchdol 212, Suchdol u Kutné Hory
Tel.+420 327 596 128 (7.30-16.00 hour)
Toxicology information number, Na bojišti 1, 128 08 PRAHA 2
Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Section 2. Hazard identification:

- The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
The classification is in line with current EC lists, It is expanded, however, by information from technical literature and by information furnished by supplier companies.
- 2.1. Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008:
Flam. Aerosol 1 H222 Extremely flammable aerosol.
Acute Tox. 4 H312+H332 Harmful in contact with skin or if inhaled
Skin Irrit. 2 H315 Causes skin irritation.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
F+ Extremely flammable. R12 Extremely flammable.
Xn- Harmful R20/21 Harmful by inhalation and in contact with skin.
Xi-Irritant R38 Irritating to skin.
N-Dangerous for the environment R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

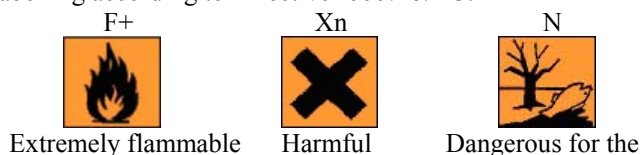
2.2. Label elements:

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



H222 Extremely flammable aerosol.
H312+332 Harmful in contact with skin or if inhaled
H315 Causes skin irritation.
H411 Toxic to aquatic life with long lasting effects.

Labelling according to Directive 1999/45/EC:



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Environment

R12 Extremely flammable.
R20/21 Harmful by inhalation and in contact with skin.
R38 Irritating to skin.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Special labeling of certain preparations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition.- No smoking. Keep out of reach of children.

2.3. Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable

vPvB: Not applicable

Buildup of explosive mixtures possible without sufficient ventilation.

3. Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description: The active ingredient in propellants

CAS: 1330-20-7 EINECS: 215-535-7	Xylene (mix) R10; Xn R20/21; Xi R38 GHS02 Flam. Liq. 3, H226; GHS07 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	25-<50%
CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum); Hydrotreated light (contains less than 0.1% benzene) F R11; Xi R38; N51/53; Xn R65; R67 GHS02 Flam. Liq. 2, H225; GHS08 Asp. Tox. 1, H304; GHS09 Aquatic Chronic 2, H411; GHS07 Skin Irrit. 2, H315; STOT SE 3, H336	25-<50%
CAS: 74-98-6 EINECS: 200-827-9	Propane F+ R12 GHS02 Flam. Gas 1, H220; GHS04 Press. Gas, H280	10-<25%
CAS: 100-41-4 EINECS: 202-849-4	Ethylbenzene F R11; Xn R20 GHS02 Flam. Liq. 2, H225; GHS07 Acute Tox. 4, H332	2.5-<10%

Additional information: For the wording of the listed risk phrases refer to section 16.

Ingredients according to detergents guideline 648/2004/EC:

Aliphatic, aromatic hydrocarbons ≥30%

4. Section 4. First aid measures:

4.1. Description of first aid measures:

After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Remove soaked clothing; Wash with water and soap.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, seek medical advice.

After swallowing: Rinse mouth, do not induce vomiting, consult a physician.

Most important symptoms and effects, both acute and delayed: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

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Indication of any immediate medical attention and special treatment needed: In case of unconsciousness place patient stably in side position for transportation.

5. Section 5. Fire fighting measures:

- 5.1. Extinguishing media:
 Suitable extinguishing agents: Carbon dioxide, alcohol resistant foam, fire-extinguishing powder
 For safety reasons unsuitable extinguishing agents: Water jet
- 5.2. Special hazards arising from the substance or mixture:
 In case of fire CO may be possible.
- 5.3. Advice for firefighters: Wear protective equipment/clothing when fighting fires.
 Aerosols may explode when overheated.
 Cool the container with water.

6. Section 6. Accidental release measures:

- 6.1. Personal precautions, protective equipment and emergency procedures:
 Wear protective equipment see Section 8.2. Ensure adequate ventilation. Keep unprotected persons away.
- 6.2. Environmental precautions:
 Do not allow to enter drainage system, surface or ground water.
 Inform respective authorities in case product reaches water or sewage system.
- 6.3. Methods and material for containment and cleaning up:
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Ensure adequate ventilation.
 Dispose of 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. Information for safe handling: Ensure good ventilation/exhaustion at the workplace.
 Information about protection against explosions and fires: Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.
 Do not spray on flames or red-hot objects.
 Keep ignition sources away – Do not smoke.
 Protect against electrostatic charges.
- 7.2. Conditions for safe handling, including any incompatibilities:
 Requirements to be met by storerooms and containers: Store in cool location. Observe official regulations on storing packagings with pressurized containers.
 Information about storage in one common storage facility: Observe official regulations on storing packaging with pressurized containers.
 Further information about storage conditions: Store in cool, dry conditions .
 Protect from heat and direct sunlight.
- 7.3. Specific end use(s): No further relevant information available.

8. Section 8. Exposure controls and personal protection:

- 8.1 Control parameters:
 Components with limit values that require monitoring at the workplace:
 1330-20-7 Xylene (mix)
 WEL Short-therm value: 442 mg/cm³, 100 ppm
 Long-therm value: 221 mg/cm³, 50 ppm

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100-41-4 Ethylbenzene	WEL Short-term value: 884 mg/cm ³ , 200 ppm Long-term value: 442 mg/cm ³ , 100 ppm
74-98-6 Propane	WEL Short-term value: 3600 mg/cm ³ , 2000 ppm Long-term value: 1800 mg/m ³ , 1000 ppm
8.2 Exposure controls:	
Eye protection:	Tightly safety glasses.
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 AX/P2.
Protection of hands:	Selection of glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves: Nitrile rubber, NBR 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 working clothes.
8.3. General protective and hygienic measures:	Wash hands during breaks and at the end of work. Avoid contact with the skin.

9. Section 9. Physical and chemical properties:	
9.1. Information on basic physical and chemical properties:	
Appearance:	
form:	Aerosol
colour:	Colourless
Odour threshold:	Aromatic
Value pH:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point/boiling range:	-44°C
Flash point:	-97°C
Evaporation rate:	Not applicable
Flammability (solid, gas):	200°C
Explosive properties:	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.
Upper/lower flammability or explosive limits:	
Explosion limits: lower (% Vol.):	0.7
upper (% Vol.):	10.9
Vapour pressure (at 20°C):	8300 hPa
Vapour density (at 20 °C):	Not determined
Relative density:	0.746 g/cm ³
Solubility in/miscibility with	
- water	Not miscible or difficult to mix
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Oxidative properties:	Not determined
9.2. Other information:	
Organic solvents:	99,8%
Solids content:	0.2%
VOC:	744.5 g/l

10. Section 10. Stability and reactivity:	
10.1. Reactivity:	No further relevant information available.
10.2. Chemical stability:	No further relevant information available.

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- 10.3. Possibility of hazardous reactions: No dangerous reactions known.
 10.4. Conditions to avoid: There are known no conditions to avoid.
 10.5. Incompatible materials: There are known no incompatible materials.
 10.6. Hazardous products of decomposition: No dangerous decomposition products known.

11. Section 11. Toxicological information:

- 11.1 Information on toxicological effects:
 Acute toxicity:
 1330-20-7 Xylene (mix)
 Oral LD50 8700 mg/kg (rat)
 Dermal LD50 2000 mg/kg (rbt)
 Inhalative LC50/4h 6350 mg/l (rat)
 64742-49-0 Naphtha (petroleum); hydrotreated light
 Oral LD50 >5000 mg/kg (rat)
 Dermal LD50 >2000 mg/kg (rbt)
 Inhalative LC50/4h >20 mg/l (rat)
 100-41-4 Ethylbenzene
 Oral LD50 3500 mg/kg (rat)
 Dermal LD50 17800 mg/kg (rabbit)
 Inhalative LC50/4h >2000 mg/l (rat)
 Irritation: on the skin: Irritant to skin and mucous membranes.
 on the eye: No irritant effect.
 Corrosivity: Not corrosive.
 Sensitization: No sensitizing effect known.
 Repeated dose toxicity: No further relevant information available.
 Carcinogenicity: No further relevant information available.
 Mutagenicity: No further relevant information available.
 Toxicity for reproduction: No further relevant information available.
 Other information: No data.

12. Section 12. Ecological information:

- 12.1. Toxicity:
 Ecotoxicological effects:
 Aquatic toxicity:
 1330-20-7 Xylene (mix)
 EC50 7,4 mg/l (Daphnia Magma 48h)
 LC50 3,77-13,5 mg/l (Fish 96h)
 64742-49-0 Naphtha (petroleum); hydrotreated light
 LC50 10-100 mg/l (algae)
 1-10 mg/l (Fish)
 100-41-4 Ethylbenzene
 EC50 >100 mg/l (Daphnia Magma)
 LC50 >10 mg/l (Fish 96h)
 Water hazard class 2 (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.
 Harmful to fish.
 Harmful to aquatic organisms.
 12.2. Persistence and degradability: No further relevant information available.
 12.3. Bioaccumulative potential: No further relevant information available.
 12.4. Mobility in soil: No further relevant information available.
 12.5. Results of PBT and vPvB assessment:
 PBT: Not applicable
 vPvB: Not applicable
 12.6. Other adverse effects: No further relevant information available.

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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.
Uncleaned packagings: Disposal must be made according to official regulations.

14. Section 14. Transport information:

- 14.1. Land transport:
ADR/RID-GGVS/E class: 2 5F Gases
Danger code (Kemler): -
Packaging group: -
Number UN: 1950
Special marking: Symbol (fish and tree)
Description of goods: Aerosols
Remarks: "Limited quantities", LQ2
Transport category: 2
Tunnel restriction code: D
- 14.2. Maritime transport:
IMDG-class: 2.1
Page: -
Number UN: 1950
Packaging group: -
EMS-group: F-D, S-U
Marine pollutant: No
Proper shipping name: Aerosols
- 14.3. Air transport:
ICAO / IATA -class: 2.1
UN/ID number: 1950
Label: 2.1
Packaging group: -
Proper shipping name: AEROSOLS, flammable
· **UN "Model Regulation":** UN1950; AEROSOLS; 2.1
Special precautions for users - Waring: Gases
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

15. Section 15. Regulatory information:

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
Labeling according to law line:
The product has been labeled in accordance with EC Directives / relevant national laws.
Danger of determining components and mark to labelling:
1330-20-7 Xylene (mix); 64742-49-0 Naphtha (petroleum), hydrotreated light, 74-98-6 propane
- Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after burn. Do not spray on a naked flame or any incandescent material.

Labelling hazardousness:



F+- Extremely flammable



Xn- Harmful



N- Dangerous to environment

Numbers and word reading associated hazard R-sentences :

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- R 12 Extremely flammable.
R 20/21 Harmful by inhalation and in contact with skin.
R 38 Irritating to skin.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Numbers and word reading associated security S-sentences:

- S 2 - Keep out of the reach children.
S 16 - Keep away from sources of ignition – No smoking.
S 23 - Do not breathe gas / vapours.
S 29/56 - Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S 37 Wear suitable gloves.
S 46 If swallowed, seek medical advice immediately and show this container or label.
S 51 - Use only in well-ventilated areas.

On the packaging there is not included info in accordance with European Regulation No 1999/45/EC (chapter 2.5.).

Regulation (EC) No 648/2004 Contains: Aliphatic, aromatic hydrocarbons $\geq 30\%$

Density: 0.746 g/cm³
VOC: 744,5 g/l

Used legislation:

- European Regulation (EC) No 1907/2006 – REACH.
Commission Regulation (EU) No 453/2010.
European Regulation No 67/548EEC and 1999/45/EC.
Commission Regulation (EC) No 1272/2006 – CLP.
Commission Regulation (EC) No 790/2009.
Regulation (EC) No 648/2004 (detergents).

National regulations:
Danish MAL Code 5-3

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

16. Section 16. Other information:

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.

Relative R+H phrases:

- R 10 Flammable.
R 11 Highly flammable.
R 12 Extremely flammable.
R 20 Harmful by inhalation
R 20/21 Harmful by inhalation and in contact with skin.
R 38 Irritating to skin.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65 Harmful: May cause lung damage if swallowed..
R 67 Vapours may cause drowsiness and dizziness.
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.

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- 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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

MAL-Code: Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

WEL- Workplace exposure limits

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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