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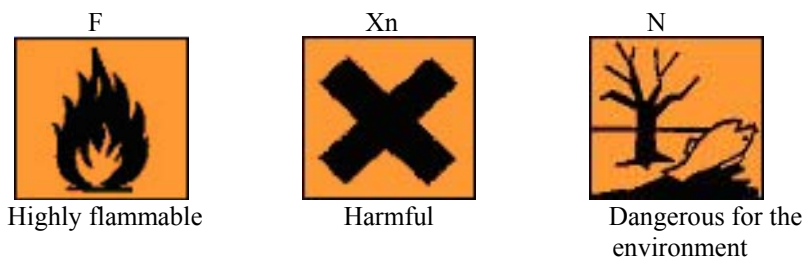
1. Identification of substance, company:

- 1.1. Identification of substance: **AUTOCLEAN (tank) - R 34708-11**
 1.2. Application of the substance/the preparation: Universal cleaning and degreasing agent
 1.3. Identification of manufacturer/Supplier:
 RETECH, s.r.o.
 Vackova 1541/4
 150 00 Praha-5 Stodůlky
 Telephone/Fax: +420 327 596 128, +420 596 428
 Information: info@retech.cz
 1.4. Telephone number for RETECH Suchdol 212, Suchdol u Kutné Hory
 extraordinary situations: 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. 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.

- 2.1. Hazard designation:



- 2.2. Information pertaining to particular dangers for man and environment:

Highly flammable.
 Harmful by inhalation and in contact with skin.
 Harmful: May cause lung damage if swallowed.
 Irritant to skin.
 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- 2.3. Additional information:

Protect from sunlight and do not expose to temperatures exceeding 50°C.
 Keep away from sources of ignition. No smoking.
 Buildup of explosive mixtures possible without sufficient ventilation.
 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.

3. Composition/information on ingredients:

- 3.1. Description:
 Mixture of an aliphatic hydrocarbon and xylene.

- 3.2. * Dangerous components:

Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences
Naphtha (petroleum) (contains less than 0.1% benzene)	50-100	64742-49-0	265-151-9	F, Xn, N	R 11-38-51/53-65-67
Xylene (mix)	25-<50	1330-20-7	215-535-7	Xn	R 10-20/21-38
Ethylbenzene	2,5-<10	100-41-4	202-849-4	Xn, F	R 11-20

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<p>Additional information: For the wording of the listed risk phrases refer to section 16.</p> <p>* Ingredients according to detergents guideline 648/2004/EC: Aliphatic, aromatic hydrocarbons $\geq 30\%$</p>		
<p>4. * First aid measures:</p> <p>4.1. 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.</p> <p>4.2. After skin contact: Instantly wash with water and soap and rinse thoroughly.</p> <p>4.3. After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.</p> <p>4.4. After swallowing: Do not induce vomiting; call for medical help.</p> <p>4.5. General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.</p>		
<p>5. Fire fighting measures:</p> <p>5.1. Suitable extinguishing agents: Carbon dioxide, alcohol resistant foam, fire-extinguishing powder</p> <p>5.2. For safety reasons unsuitable extinguishing agents: Water jet</p> <p>5.3. Protective equipment: Wear protective equipment/clothing when fighting fires.</p> <p>5.4. Special hazards caused by the material, its products of combustion or resulting gases: In case of fire CO may be possible.</p> <p>5.5. Additional information: -</p>		
<p>6. Accidental release measures:</p> <p>6.1. Person-related safety precautions: Wear protective equipment see item 8.2. Ensure adequate ventilation. Keep unprotected persons away.</p> <p>6.2. Measures for environmental protection: Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or sewage system.</p> <p>6.3. Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Dispose of contaminated material as waste according to item 13.</p>		
<p>7. Handling and storage:</p> <p>7.1. Handling: Information for safe handling: Ensure good ventilation/exhaustion at the workplace. Information about protection against explosions and fires: Keep ignition sources away – Do not smoke.</p> <p>7.2. Storage: Requirements to be met by storerooms and containers: Store in cool location. Information about storage in one common storage facility: - Further information about storage conditions: Protect from heat and direct sunlight.</p>		
<p>8. Exposure controls and personal protection:</p> <p>8.1. * Validate parameter: Components with limit values that require monitoring at the workplace: 1330-20-7 Xylene WEL Short-term value: 442 mg/cm³, 100 ppm Long-term value: 221 mg/cm³, 50 ppm 100-41-4 Ethylbenzene WEL Short-term value: 884 mg/cm³, 200 ppm Long-term value: 442 mg/cm³, 100 ppm Additional information:</p>		

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- The lists that were valid during the compilation were as basis.
- 8.2. * Personal protective equipment:
- Eye protection: 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. Physical and chemical properties:

- Form: Fluid
- Colour: Colourless
- Odour: Aromatic
- 9.1. * Value pH: Not determined
- Melting point/Melting range: Not determined
- Boiling point/Boiling range: 98°C
- Flash point: 2°C
- Inflammability (strength, gas form) 200°C
- Self-inflammability: Product is not self igniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.
- Explosion limits: lower (% Vol.): 0.7
upper (% Vol.): 7.8
- Oxidative properties: Not determined
- Vapor pressure (at 20°C): 30 hPa
- Density at 20 °C 0,796 g/cm3
- Solubility in/Miscibility with
- water Not miscible or difficult to mix.
- 9.2. * Other information:
- Organic solvents: 99.8 %
- VOC: 794.2 g/l

10. * Stability and reactivity:

- 10.1. Thermal decomposition / conditions to be avoided: No decomposition if used according to specification.
- 10.2. Materials to be avoided: No materials to be avoided.
- 10.3. Dangerous reactions: No dangerous reactions known.
- 10.4. Dangerous products of decomposition: In case of fire CO may be possible.

11. * Toxicological information:

- 11.1. 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)

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11.2.	Inhalative LC50/4h >2000 mg/l (rat)	
	Primary irritant effect:	
	on the skin:	Irritant to skin and mucous membranes.
	on the eye:	No irritant effect.
	Sensitization:	No sensitizing effect known.
	Additional toxicological information:	-

12. *	Ecological information:
	Ecotoxicological effects:
	Acquatic 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.

13.	Disposal considerations:
13.1.	Product: Must not be disposed together with household garbage. Do not allow product to reach sewage system.
13.2.	Uncleaned packagings: Disposal must be made according to official regulations.

14. *	Transport information:
14.1.	Land transport:
	ADR/RID-GGVS/E class: 3
	Danger code (Kemler): 33
	Number UN: 3295
	Packaging group: II
	Label: 3 Flammable liquid
	Special marking: Symbol (fish and tree)
	Description of goods: 3295 Hydrocarbons liquid, n.o.s.
	Tunnel restriction code D/E
14.2.	Maritime transport:
	IMDG-class: 3
	Number UN: 3295
	Packaging group: II
	EMS-group: F-E, S-D
	Marine pollutant: No
	Proper shipping name: Hydrocarbons liquid, n.o.s.
14.3.	Air transport:
	ICAO / IATA -class: 3
	UN/ID number: 3295
	Label: 3
	Packaging group: II
	Proper shipping name: Hydrocarbons liquid, n.o.s.
	· UN "Model Regulation": UN3295, HYDROCARBONS, LIQUID, N.O.S., 3, II

15.	Regulatory information:
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15.1. Labelling according to law line:
The product has been labeled in accordance with EC Directives / relevant national laws.

15.2. Danger of determining components and mark to labelling:
64742-49-0 Naphtha (Petroleum),1330-20-7 Xylene (mix)

Protect from sunlight and do not expose to temperatures exceeding 50°C.

Labelling hazardousness:



F- Highly flammable



Xn- Harmful



N- Dangerous to environmental

Numbers and word reading associated hazard R-sentences :

- R 11 Highly 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.
- R 65 Harmful: May cause lung damage if swallowed.

Numbers and word reading associated security S-sentences:

- S 2 - Keep out of reach of children.
- S 16 - Keep away from sources of ignition – No smoking.
- S 23 Do not breathe 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 protective gloves.
- S 51 - Use only in well-ventilated areas.
- S 62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or Label.

15.2. Used legislation:
European Regulation (EC) No 1907/2006 – REACH.
European Regulation No 67/548EEC and 1999/45/EC.
Regulation (EC) No 648/2004 (detergents).

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-phrases:

- R 10 Flammable.
- R 11 Highly 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.

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