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Reviewed on:	<b>CLEAN 100 NEW</b>	

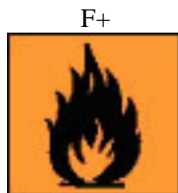
**1. Identification of substance, company:**

- 1.1. Identification of substance: **CLEAN100– (spray) R 34750**  
 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: [hana.mekotova@retech.cz](mailto:hana.mekotova@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.

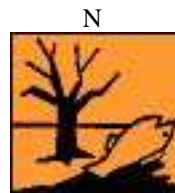
- 2.1. Hazard designation:



Extremely flammable



Irritant



Dangerous for the environment

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

Extremely flammable

Irritating to skin

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.

- 2.3. Additional information:

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.

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:

Propellant containing mixture of solvents.

- 3.2. Dangerous components:

Chemical name	Contents(%)	Number CAS	Number ES	Cautionary symbol	R sentences
Naphtha (petroleum) Hydrotreated light (contains less than 0.1% benzene)	85-95	64742-49-0	265-151-9	Xn, F, N	R 11-38-51/53-65-67

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Carbon dioxide	1-5	00124-38-9			
Propane/butane	1-10	74-98-6/ 106-97-8	200-827-9 /203-448-9	F+	R 12

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

**4. First aid measures:**

- 4.1. After inhalation: Fresh air, rest, if necessary seek medical advice.
- 4.2. After skin contact: Wash with plenty of water, if necessary take off dirty clothing.
- 4.3. After eye contact: Rinse with plenty of water and seek medical advice.
- 4.4. After swallowing: Wash out mouth with water and seek medical advice. Do not induce vomiting.
- 4.5. General information: Polluted parts of clothes quickly remove.

**5. Fire fighting measures:**

- 5.1. Suitable extinguishing agents: CO<sub>2</sub>, powder or foam
- 5.2. For safety reasons unsuitable extinguishing agents: Water
- 5.3. Protective equipment: Wear protecting clothes and oxygen-mask; fight the fire from a protected place.
- 5.4. Special hazards caused by the material, its products of combustion or resulting gases: -
- 5.5. Additional information: Aerosols may explode when overheated. Cool the container with water.

**6. Accidental release measures:**

- 6.1. Person-related safety precautions: Wear protective equipment see item 8.2. Ensure adequate ventilation. Keep unprotected person away. Keep away from ignition sources.
- 6.2. Measures for environmental protection: The product may not be spilled on effluent water. Inform respective authorities in case product reaches water or sewage system.
- 6.3. Measures for cleaning/collecting: Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4. Additional information: -

**7. Handling and storage:**

- 7.1. Handling:  
 Information for safe handling:  
 Information about protection against explosions and fires: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, do not open violently, do not spray on a naked flame or any incandescent material, do not piece or burn even after use. Keep away from sources ignition.– Do not smoke. Keep out of reach children.
- 7.2. Storage:  
 Requirements to be met by storerooms and containers: To be stocked cool and dry, protect from sunlight and do not expose to temperatures exceeding 50°C  
 Information about storage in one common storage facility: Not required.  
 Further information about storage conditions: -

**8. Exposure controls and personal protection:**

- 8.1. Validate parameter:  
 Components with limit values that require monitoring at the workplace:  
 106-97-8 butane  
 OES Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm

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<p>Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm 74-98-6 propane OES Long-term value: 1800 mg/m<sup>3</sup>, 1000 ppm 64742-49-0 Naphtha (petroleum) – Long-term value: 315 ppm Additional information: The lists that were valid during the compilation were as basis.</p>		
8.2.	Personal protective equipment:	
	Eye protection:	safety glasses
	Breathing equipment:	Use suitable respiratory protective device in case of insufficient ventilation.
	Protection of hands:	PVC-hand gloves
	Protection of skin:	protective working clothing
8.3.	General protective and hygienic measures:	-
<b>9.</b>	<b>Physical and chemical properties:</b>	
	Form:	Aerosol
	Colour:	Colourless
	Odour:	Solvents and citrus
9.1.	Melting point/Melting range:	-
	Boiling point/Boiling range:	Not determined
	Flash point:	-
	Inflammability (strength, gas form)	Not determined
	Self-inflammability:	> 250°C
	Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
	Explosion limits: lower (% Vol.):	0.8
	upper (% Vol.):	7.8
	Vapor pressure (at 20°C):	5.0 mbar
	Density at 20 °C	0.71 g/cm <sup>3</sup>
	Solubility in/Miscibility with	
	- water	No
9.2.	Other information: VOC:	679.9 g/l
<b>10.</b>	<b>Stability and reactivity:</b>	
10.1.	Thermal decomposition / conditions to be avoided:	Temperatures exceeding 50°C
10.2.	Dangerous reactions:	No dangerous reaction known.
10.3.	Dangerous decomposition products:	None, with proper use and storage.
<b>11.</b>	<b>Toxicological information:</b>	
11.1.	Acute toxicity:	
	64742-49-0 Naphtha (petroleum), hydrotreated light	
	Oral LD50	>5000 mg/kg (rat)
	Dermal LD50	>2600 mg/kg (rab)
	Inhalative LC50/4h	>193 mg/l (rat)
	106-97-8 Butan	
	Inhalative LC50/4h	658 mg/l (rat)
11.2.	Primary irritant effect:	
	on the skin:	Can degrease the skin by long term contact.
	on the eye:	Prolonged exposition can cause irritation.
	Sensitization:	No sensitizing effect known.
	Additional toxicological information:	Fumes can irritate the respiratory system; may also cause headaches and dizziness. Harmful if swallowed. May cause vomiting and diarrhea.
<b>12.</b>	<b>Ecological information:</b>	
	Water hazard class 2 (Self-assessment): hazardous for water.	
	Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.	

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**13. Disposal considerations:**

- 13.1. Product: Dispose in safe manner in accordance with local/national regulation.
- 13.2. Uncleaned packagings: Disposal must be made according to official regulations.

**14. Transport information:**

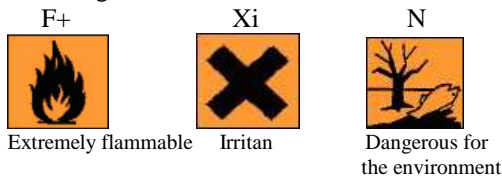
- 14.1. Land transport:
- |                       |          |
|-----------------------|----------|
| ADR/RID-GGVS:         | 2        |
| Number/Letter:        | 5F       |
| Danger code (Kemler): | 23       |
| „Limited quantities“  | LQ2      |
| Number UN:            | 1950     |
| Description of goods: | Aerosols |
- 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                |
| Packaging group:      | -                   |
| Proper shipping name: | Aerosols, flammable |

**15. Regulatory information:**

- 15.1. Labelling according to law line:  
The product has been classified and marked in according with EU Directives/Ordinance on Hazardous Materials.  
Danger of determining components and mark to labelling:  
64742-49-0 Naphtha (petroleum), hydrotreated light

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:



Numbers and word reading associated hazard R-sentences :

- R 12 Extremely flammable.  
R 38 Irritating to skin.  
R 51/53 Toxic to aquatic organisms, may cause long-term effects in aquatic environment.  
R 67 Vapours may cause drowsiness and dizziness.

Numbers and word reading associated security S-sentences:

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

Density: 0,71 g/cm<sup>3</sup>

VOC: 679,9 g/l

15.2. Used legislation:

European Regulation (EC) No 1907/2006 - REACH

Regulation (EC) No 648/2004 of the European Parliament and of the council of 31 March 2004 on 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 11 Highly flammable.

R 12 Extremely flammable.

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.