

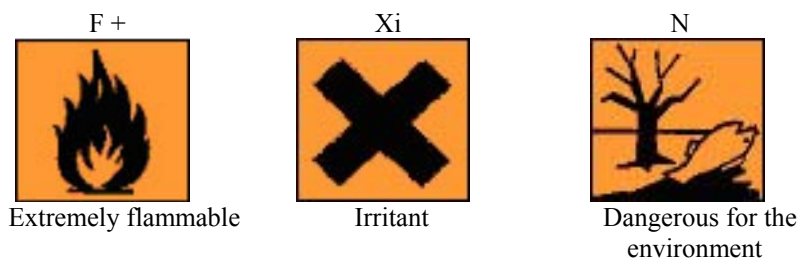
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1. Identification of substance, company:

- 1.1. Identification of substance: **MS-CLEAN - R 34748 (spray)**
 1.2. Application of the substance/the preparation: 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
 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:

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:

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 the substances listed below with harmless additions.

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
Carbon dioxide	1-5	00124-38-9			
Propane/Butane	1-5	74-98-6/ 106-97-8	200-827-9/ 203-448-7	F +	R 12

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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: Immediately wash with water and soap and rinse thoroughly.
- 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: -

5. Fire fighting measures:

- 5.1. Suitable extinguishing agents: CO2, water haze, powder or foam
- 5.2. For safety reasons unsuitable extinguishing agents: Full water jet
- 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: -

6. Accidental release measures:

- 6.1. Person-related safety precautions: Wear protective equipment see item 8.2. Ensure adequate ventilation. Keep unprotected persons away. Keep ignition sources away.
- 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.
- 6.3. Measures for cleaning/collecting: Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.
- 6.4. Additional information: -

7. Handling and storage:

- 7.1. Handling: Information for safe handling: Information about protection against explosions and fires: Keep away from sources ignition.– Do not smoke. Ensure adequate ventilation.
- 7.2. Storage: Requirements to be met by storerooms and containers: To be stocked cool and dry, protect from heat and direct sunlight. Keep away from sources ignition.– Do not smoke. Keep receptacle tightly sealed. Information about storage in one common storage facility: - 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: MAC-values: 64742-49-0 Naphtha (petroleum) – Long-term value: 315 ppm Additional information: 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. Protection of hands: PVC protective gloves.

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8.3.	Protection of skin: protective working clothing General protective and hygienic measures:	The usual precautionary measures should be adhered to general rules for handling chemicals. Wash hands during breaks and at the end of the work.
9.	Physical and chemical properties:	
	Form:	Aerosol
	Colour:	Colourless
	Odour:	lemon
9.1.	Melting point/Melting range:	-
	Boiling point/Boiling range:	Not determined
	Flash point:	>0°C
	Inflammability (strength, gas form)	250°C
	Self-inflammability:	-
	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 mBar
	Density at 20 °C	0.710 kg/l
	Solubility in/Miscibility with - water	No
9.2.	Other information: VOC-EU	679,9 g/l
10.	Stability and reactivity:	
10.1.	Thermal decomposition / conditions to be avoided:	Buildup of explosive mixtures possible without sufficient ventilation. Do not expose temperatures exceeding 50°C
10.2.	Dangerous reactions:	No dangerous reaction known.
10.3.	Dangerous decomposition products:	No dangerous decomposition products known.
11.	Toxicological information:	
11.1.	Acute toxicity: Void	
11.2.	Primary irritant effect: on the skin: on the eye: Sensitization: Additional toxicological information:	Irritant to skin and mucous membranes. May cause irritation by long term contact. No sensitizing effect known. Fumes can irritate the respiratory system; may also cause headaches and dizziness. Harmful if swallowed. May cause vomiting and diarrhea.
12.	Ecological information:	
	Water danger class 2 (German regulation): hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.	
13.	Disposal considerations:	
13.1.	Product:	Must not be disposed together with household garbage. Disposal must be made according to official regulations.
13.2.	Uncleaned packagings:	Disposal must be made according to official regulations.
14.	Transport information:	
14.1.	Land transport: ADR/RID-GGVS: Danger code (Kemler):	2 33

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- Number/Letter: 5F
 Number UN: 1950
 Packaging group: II
 Description of goods: Aerosoll
- 14.2. Maritime transport:
 IMDG-class: 2,1
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 Number UN: 1950
 EMS-group: F-D,S-U
 Marine pollutant: No
 Proper shipping name: Aerosoll
 „Limited quantities“ LQ2
- 14.3. Air transport:
 ICAO / IATA -class: 2,1
 UN/ID number: 1950
 Packaging group:
 Proper shipping name: Aerosoll, 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 Naptha (Petroleum) Hydrotreated Light

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

Labelling hazardousness:



F+ – Extremely flammable



Xi - Irritant



N- Dangerous for the environment

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:

- 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 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.

- 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.

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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.