



## SAFETY DATA SHEET

### HEAVY DUTY FLUX REMOVER - SUPRCLEAN - EU, AEROSOL

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

##### 1.1. Product identifier

Product name	HEAVY DUTY FLUX REMOVER - SUPRCLEAN - EU, AEROSOL
Product number	MCC-SPR2127, MCC-SPR2197
Internal identification	Prototype 12-9-1

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Cleaning agent.
Uses advised against	No specific uses advised against are identified.

##### 1.3. Details of the supplier of the safety data sheet

Supplier	MICROCARE EUROPE BVBA VEKESTRAAT 29 B11 INDUSTRIEZONE 'T SAS 1910 KAMPENHOUT, Belgium Phone +32.2.251.95.05 Fax +32.2.400.96.39 EuroSales@MicroCare.com
Manufacturer	MICROCARE U.K. LTD SEVEN HILLS BUSINESS PARK, MORLEY, LEEDS, WEST YORKSHIRE, UK LS27 8AT +44 (0) 3501008 mcc europe@microcare.com

##### 1.4. Emergency telephone number

Emergency telephone	INFOTRAC +44 330 027 0156 (UK) 1-352-323-3500 (from anywhere in the world)
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#### SECTION 2: Hazards identification

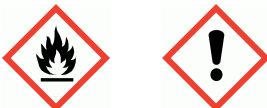
##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards	Aerosol 2 - H223, H229
Health hazards	Eye Irrit. 2 - H319 STOT SE 3 - H336
Environmental hazards	Aquatic Chronic 3 - H412

##### 2.2. Label elements

###### Hazard pictograms



## HEAVY DUTY FLUX REMOVER - SUPRCLEAN - EU, AEROSOL

<b>Signal word</b>	Warning
<b>Hazard statements</b>	H223 Flammable aerosol. H229 Pressurised container: may burst if heated. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P261 Avoid breathing spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTRE/doctor if you feel unwell. P337+P313 If eye irritation persists: Get medical advice/ attention. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. P501 Dispose of contents/ container in accordance with national regulations.
<b>Supplemental label information</b>	EUH210 Safety data sheet available on request. RCH001a For use in industrial installations only.
<b>Contains</b>	trans-dichloroethylene
<b>Supplementary precautionary statements</b>	P273 Avoid release to the environment.

### 2.3. Other hazards

This product contains a substance classified as PBT.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>trans-1,2-DICHLOROETHYLENE</b>	<b>30-60%</b>
CAS number: 156-60-5	EC number: 205-860-2
	REACH registration number: 01-2120093504-55-0003
<b>Classification</b>	
Flam. Liq. 2 - H225	
Acute Tox. 4 - H332	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
Aquatic Chronic 3 - H412	

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<b>PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS</b>	<b>10-30%</b>	
CAS number: 68476-85-7	EC number: 270-704-2	
<b>Classification</b>		
Not Classified		
<b>Methyl Nonafluoroisobutyl Ether</b>	<b>10-30%</b>	
CAS number: 163702-08-7	EC number: 422-270-2	REACH registration number: 01-2119899252-29-0001
<b>Classification</b>		
Not Classified		
<b>Methyl Nonafluorobutyl Ether</b>	<b>10-30%</b>	
CAS number: 163702-07-6	EC number: 422-270-2	REACH registration number: 01-2119899252-29-0001
<b>Classification</b>		
Not Classified		
<b>Denatured Ethanol B100</b>	<b>1-5%</b>	
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-0000
<b>Classification</b>		
Flam. Liq. 2 - H225		

The full text for all hazard statements is displayed in Section 16.

**Composition comments**      The data shown are in accordance with the latest EC Directives.

### Composition

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>General information</b>	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
<b>Skin contact</b>	Rinse with water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

##### 4.2. Most important symptoms and effects, both acute and delayed

## HEAVY DUTY FLUX REMOVER - SUPRCLEAN - EU, AEROSOL

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	Due to the physical nature of this product, it is unlikely that ingestion will occur.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	May be slightly irritating to eyes. May cause discomfort.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up. Bursting aerosol containers may be propelled from a fire at high speed. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Vapours may form explosive mixtures with air.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Risk of explosion. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.
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### 6.3. Methods and material for containment and cleaning up

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**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Under normal conditions of handling and storage, spillages from aerosol containers are unlikely. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Avoid exposing aerosol containers to high temperatures or direct sunlight. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid discharge to the aquatic environment. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Spray will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin. Avoid contact with eyes. Avoid inhalation of vapours and spray/mists.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Store away from incompatible materials (see Section 10). Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Protect from sunlight. Do not store near heat sources or expose to high temperatures. Do not expose to temperatures exceeding 50°C/122°F.

**Storage class** Miscellaneous hazardous material storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### trans-1,2-DICHLOROETHYLENE

Long-term exposure limit (8-hour TWA): ACGIH

Short-term exposure limit (15-minute): ACGIH 200 ppm

#### PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m<sup>3</sup>

#### Methyl Nonafluoroisobutyl Ether

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Long-term exposure limit (8-hour TWA): 750 ppm

### Methyl Nonafluorobutyl Ether

Long-term exposure limit (8-hour TWA): 750 ppm

### Denatured Ethanol B100

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

ACGIH = American Conference of Governmental Industrial Hygienists.  
WEL = Workplace Exposure Limit.

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

### Eye/face protection

Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

### Hand protection

No specific hand protection recommended. Avoid contact with skin.

### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

### Hygiene measures

Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

### Respiratory protection

Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140.

### Environmental exposure controls

Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Odour	Slight. Ether.
Odour threshold	No information available.
pH	Not applicable.
Melting point	No information available.
Initial boiling point and range	44°C/111.2°F
Flash point	< 2°C/35°F Tag Closed Cup - ASTM D56
Evaporation rate	Fast

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<b>Evaporation factor</b>	No information available.
<b>Upper/lower flammability or explosive limits</b>	No information available.
<b>Other flammability</b>	The product is highly flammable.
<b>Vapour pressure</b>	No information available.
<b>Vapour density</b>	No information available.
<b>Relative density</b>	1.265 g/mL
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	No information available.
<b>Partition coefficient</b>	No information available.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Global Warming Potential (GWP)</b>	
<b>Surface tension</b>	

### 9.2. Other information

<b>Refractive index</b>	No information available.
<b>Particle size</b>	Not applicable.
<b>Molecular weight</b>	Not applicable.
<b>Volatility</b>	No information available.
<b>Saturation concentration</b>	No information available.
<b>Critical temperature</b>	No information available.
<b>Volatile organic compound</b>	No information available.
<b>Heat of vaporization (at boiling point), cal/g (Btu/lb)</b>	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	See the other subsections of this section for further details.
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### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	The following materials may react strongly with the product: Oxidising agents.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid exposing aerosol containers to high temperatures or direct sunlight. Pressurised container: may burst if heated
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### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (vapours mg/l)** 21.65

#### Skin corrosion/irritation

**Animal data** Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

#### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

#### IARC carcinogenicity

Contains a substance/a group of substances which may cause cancer. IARC Group 1  
Carcinogenic to humans.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development**

Based on available data the classification criteria are not met.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

#### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.



## HEAVY DUTY FLUX REMOVER - SUPRCLEAN - EU, AEROSOL

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	Due to the physical nature of this product, it is unlikely that ingestion will occur.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	May be slightly irritating to eyes. May cause discomfort.
<b>Route of exposure</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target organs</b>	No specific target organs known.

### Toxicological information on ingredients.

#### trans-1,2-DICHLOROETHYLENE

<b>Other health effects</b>	There is no evidence that the product can cause cancer.
<b><u>Acute toxicity - oral</u></b>	
<b>Acute toxicity oral (LD<sub>50</sub> mg/kg)</b>	7,902.0
<b>Species</b>	Rat
<b>ATE oral (mg/kg)</b>	7,902.0
<b><u>Acute toxicity - dermal</u></b>	
<b>Acute toxicity dermal (LD<sub>50</sub> mg/kg)</b>	5,000.0
<b>Species</b>	Rat
<b>ATE dermal (mg/kg)</b>	5,000.0
<b><u>Acute toxicity - inhalation</u></b>	
<b>ATE inhalation (vapours mg/l)</b>	11.0
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Prolonged and frequent contact may cause redness and irritation.
<b>Animal data</b>	Slightly irritating. Rabbit
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Supplier's information. Rabbit 500 mg 24 hours Causes mild skin irritation.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	No specific test data are available.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	No specific test data are available.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	This substance has no evidence of mutagenic properties.
<b>Genotoxicity - in vivo</b>	This substance has no evidence of mutagenic properties.

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### Carcinogenicity

**Carcinogenicity** No specific test data are available.

### Specific target organ toxicity - single exposure

**STOT - single exposure** NOAEL Not available.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** NOAEL 16 mg/l, 90 days

**Target organs** Endocrine system Liver Kidneys Bladder Respiratory tract

### Methyl Nonafluoroisobutyl Ether

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 1,000.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 1,000.0

### Methyl Nonafluorobutyl Ether

**Other health effects** There is no evidence that the product can cause cancer.

#### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

**ATE oral (mg/kg)** 5,000.0

#### Acute toxicity - inhalation

**Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l)** 1,000.0

**Species** Rat

**ATE inhalation (vapours mg/l)** 1,000.0

## SECTION 12: Ecological information

### Ecological information on ingredients.

#### trans-1,2-DICHLOROETHYLENE

**Ecotoxicity** Harmful to aquatic life. May cause long lasting harmful effects to aquatic life.

### Methyl Nonafluoroisobutyl Ether

## HEAVY DUTY FLUX REMOVER - SUPRCLEAN - EU, AEROSOL

**Ecotoxicity** The product is not expected to be toxic to aquatic organisms.

### Methyl Nonafluorobutyl Ether

**Ecotoxicity** There are no data on the ecotoxicity of this product.

### 12.1. Toxicity

**Toxicity** Aquatic Chronic 3 - H412 Harmful to aquatic life with long lasting effects.

### Ecological information on ingredients.

#### trans-1,2-DICHLOROETHYLENE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 135 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 220 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** LC<sub>50</sub>, 72 hours: 36.36 mg/l, Pseudokirchneriella subcapitata

##### Chronic aquatic toxicity

**Chronic toxicity - fish early life stage** NOEC, 48 hours: 110,000 mg/l, Daphnia magna

### Methyl Nonafluoroisobutyl Ether

**Toxicity** Not considered toxic to fish.

### Methyl Nonafluorobutyl Ether

**Toxicity** Not considered toxic to fish.

### 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

### Ecological information on ingredients.

#### trans-1,2-DICHLOROETHYLENE

**Biodegradation** Not readily biodegradable.  
Method: OECD Test Guideline 301D

### Methyl Nonafluoroisobutyl Ether

**Persistence and degradability** The product is not expected to be biodegradable.

### Methyl Nonafluorobutyl Ether

**Persistence and degradability** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** No information available.

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### Ecological information on ingredients.

#### trans-1,2-DICHLOROETHYLENE

<b>Bioaccumulative potential</b>	Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.
<b>Partition coefficient</b>	log Pow: 2.06

#### Methyl Nonafluoroisobutyl Ether

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
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#### Methyl Nonafluorobutyl Ether

<b>Bioaccumulative potential</b>	No data available on bioaccumulation.
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### 12.4. Mobility in soil

<b>Mobility</b>	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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### Ecological information on ingredients.

#### trans-1,2-DICHLOROETHYLENE

<b>Mobility</b>	The product has poor water-solubility.
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#### Methyl Nonafluoroisobutyl Ether

<b>Mobility</b>	Not applicable.
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#### Methyl Nonafluorobutyl Ether

<b>Mobility</b>	Not applicable.
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### 12.5. Results of PBT and vPvB assessment

### 12.6. Other adverse effects

<b>Other adverse effects</b>	None known.
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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>General information</b>	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.
<b>Disposal methods</b>	Do not empty into drains. Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

## SECTION 14: Transport information

### 14.1. UN number

## HEAVY DUTY FLUX REMOVER - SUPRCLEAN - EU, AEROSOL

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

### 14.3. Transport hazard class(es)

ADR/RID class	2.1
ADR/RID classification code	5F
ADR/RID label	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

### Transport labels



### 14.4. Packing group

ADR/RID packing group	None
IMDG packing group	None
ICAO packing group	None
ADN packing group	None

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

## HEAVY DUTY FLUX REMOVER - SUPRCLEAN - EU, AEROSOL

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

#### National regulations

Health and Safety at Work etc. Act 1974 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
EH40/2005 Workplace exposure limits.  
The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824).

#### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### Inventories

##### EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

### **SECTION 16: Other information**

#### **Abbreviations and acronyms used in the safety data sheet**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
IATA: International Air Transport Association.  
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
CAS: Chemical Abstracts Service.  
ATE: Acute Toxicity Estimate.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.

#### **Classification abbreviations and acronyms**

Aerosol = Aerosol  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

#### **Classification procedures according to Regulation (EC) 1272/2008**

Aquatic Chronic 3 - H412: : Calculation method. Aerosol 2 - H223, H229: : Expert judgement.

#### **Training advice**

Only trained personnel should use this material.

#### **Revision date**

25/05/2021

#### **Revision**

9

#### **Supersedes date**

25/05/2021

## HEAVY DUTY FLUX REMOVER - SUPRCLEAN - EU, AEROSOL

<b>SDS number</b>	AEROSOL - SPR2127
<b>Hazard statements in full</b>	H220 Extremely flammable gas. H223 Flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: may burst if heated. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.