SAFETY DATA SHEET
NO-CLEAN FLUX REMOVER - VERICLEAN, AEROSOL

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

1.1. Product identifier
Product name
NO-CLEAN FLUX REMOVER - VERICLEAN, AEROSOL

Product number
MCC-DC1107, MCC-DC1157

Synonyms; trade names
NO-CLEAN FLUX REMOVER - VERICLEAN - EU

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

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

Manufacturer
MICROCARE CORPORATION
595 John Downey Drive
New Britain, CT 06051
United States of America
CAGE: OATV9
Tel: +1 800-638-0125, +1 860-827-0626
Fax: +1 860-827-8105
technicalsupport@microcare.com

1.4. Emergency telephone number
Emergency telephone
CHEMTREC UK (London) +(44)-870-8200418 +1 703-741-5970 (from anywhere in the world)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards
Aerosol 1 - H222, H229

Health hazards
Not Classified

Environmental hazards
Aquatic Acute 1 - H400

2.2. Label elements

Pictogram

Signal word
Danger
NO-CLEAN FLUX REMOVER - VERICLEAN, AEROSOL

**Hazard statements**
- H222 Extremely flammable aerosol.
- H229 Pressurised container: may burst if heated.
- H400 Very toxic to aquatic life.

**Precautionary statements**
- 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.
- P273 Avoid release to the environment.
- 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.

**Supplemental label information**
- EUH210 Safety data sheet available on request.
- RCH001a For use in industrial installations only.

**Supplementary precautionary statements**
- P391 Collect spillage.
- P410+P403 Protect from sunlight. Store in a well-ventilated place.
- P412 Do not expose to temperatures exceeding 50°C/122°F.

### 2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Concentration</th>
<th>CAS number</th>
<th>EC number</th>
<th>REACH registration number</th>
<th>M factor (Acute)</th>
<th>Classification</th>
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<td>HEXAMETHYLDISILOXANE</td>
<td>60-100%</td>
<td>107-46-0</td>
<td>203-492-7</td>
<td>01-2119496108-31</td>
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<td>Flam. Liq. 2 - H225</td>
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<td>Aquatic Acute 1 - H400</td>
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<td>PROPAINE</td>
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<td>Aquatic Acute 1 - H400</td>
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<tr>
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<td></td>
<td></td>
<td>Flam. Gas 1 - H220</td>
</tr>
<tr>
<td>1-METHOXY-2-PROPANOL</td>
<td>5-10%</td>
<td>107-98-2</td>
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<td>Flam. Liq. 3 - H226</td>
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<td>STOT SE 3 - H336</td>
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NO-CLEAN FLUX REMOVER - VERICLEAN, AEROSOL

<table>
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<tr>
<th>BUTANE</th>
<th>5-10%</th>
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<td>CAS number: 106-97-8</td>
<td>EC number: 203-449-7</td>
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**Classification**
- Flam. Gas 1 - H220
- Press. Gas

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<th>ISOButANE</th>
<th>1-5%</th>
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<td>CAS number: 75-28-5</td>
<td>EC number: 200-857-2</td>
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</table>

**Classification**
- Flam. Gas 1 - H220
- Press. Gas

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.

**Ingredient notes**
CAS 68476-85-7 Petroleum gases - as the substance contains less than 0.1% w/w 1,3 butadiene, the full harmonised classification regarding Muta. 1B H340 and Carc. 1A H350 does not apply.

**SECTION 4: First aid measures**

4.1. Description of first aid measures

**General information**
Promptly remove any clothing that becomes wet or contaminated. Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion**
Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

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

**General information**
The severity of the symptoms described will vary dependent on the concentration and the length of exposure. Not considered to be a significant hazard due to the small quantities used.

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

**Notes for the doctor**
No specific recommendations. If in doubt, get medical attention promptly.

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture

**Specific hazards**
Containers can burst violently or explode when heated, due to excessive pressure build-up. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited. Oxides of carbon. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3.

5.3. Advice for firefighters

**Protective actions during firefighting**
Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Bursting aerosol containers may be propelled from a fire at high speed.
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6.1. Personal precautions, protective equipment and emergency procedures
6.2. Environmental precautions
6.3. Methods and material for containment and cleaning up
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. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
7.2. Conditions for safe storage, including any incompatibilities
7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

1-METHOXY-2-PROpanol

Long-term exposure limit (8-hour TWA): WEL 100 ppm 375 mg/m³
Short-term exposure limit (15-minute): WEL 150 ppm 560 mg/m³
Sk

BUTANE

Long-term exposure limit (8-hour TWA): WEL 600 ppm 1450 mg/m³
Short-term exposure limit (15-minute): WEL 750 ppm 1810 mg/m³
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

Additional Occupational
Exposure Limits

8.2. Exposure controls

Protective equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Odour
Slight. Ether.

Odour threshold
No information available.

pH
No information available.

Melting point
No information available.

Initial boiling point and range 98°C/210°F @ 101.3 kPa

Flash point -4.0°C / 24.0°F Method: Tag closed cup.

Evaporation rate
No information available.

Evaporation factor
No information available.

Upper/lower flammability or explosive limits
Upper flammable/explosive limit: 18.6 %(V) Lower flammable/explosive limit: 1.25 %(V)
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Other flammability
Extremely flammable aerosol.

Vapour pressure
5.95 kPa @ 25°C

Vapour density
> 1.0

Relative density
No information available.

Bulk density
No information available.

Solubility
Insoluble in water.

Partition coefficient
No information available.

Auto-ignition temperature
No information available.

Decomposition Temperature
No information available.

9.2. Other information

Vapour pressure
5.95 kPa @ 25°C

Vapour density
> 1.0

Relative density
No information available.

Bulk density
No information available.

Solubility
Insoluble in water.

Partition coefficient
No information available.

Auto-ignition temperature
No information available.

Decomposition Temperature
No information available.

9.2. Other information

Volatility
100%

Volatile organic compound
This product contains a maximum VOC content of 87 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity
There are no known reactivity hazards associated with this product.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and
other toxic gases or vapours. Vapours/gases/fumes of: Silicon dioxide Formaldehyde

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ingestion
No harmful effects expected from quantities likely to be ingested by accident.

Toxicological information on ingredients.

HEXAMETHYLDISILOXANE (Methyl siloxane)

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l)
106.0

Species
Rat

SECTION 12: Ecological Information

Ecotoxicity
The product contains a substance which is toxic to aquatic organisms and which may cause
long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity
Very toxic to aquatic organisms.
NO-CLEAN FLUX REMOVER - VERICLEAN, AEROSOL

Ecological information on ingredients.

HEXAMETHYLDISILOXANE (Methyl siloxane)

Toxicity

Very toxic to aquatic organisms.

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 0.46 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 72 hours: 0.79 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 96 hours: > 0.93 mg/l, Selenastrum capricornutum

12.2. Persistence and degradability

Persistence and degradability

The degradability of the product is not known.

Phototransformation

Not determined.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

No information available.

12.4. Mobility in soil

Mobility

The product contains volatile substances which may spread in the atmosphere. Not considered to be a significant hazard due to the small quantities used.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects

The product contains a substance which has a photochemical ozone creation potential.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

SECTION 14: Transport information

General

Requirements for marking and labeling of package varies depending on mode of transport. If uncertain of proper markings and labeling, call MicroCare for assistance.

14.1. UN number

UN No. (IMDG) 1950

UN No. (ICAO) 1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID) LIMITED QUANTITY

Proper shipping name (IMDG) UN1950, AEROSOLS, FLAMMABLE, 2.1, LIMITED QUANTITY
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Proper shipping name (ICAO) UN1950, AEROSOLS, FLAMMABLE, 2.1, LIMITED QUANTITY
Proper shipping name (ADN) LIMITED QUANTITY

14.3. Transport hazard class(es)
ADR/RID classification code F
IMDG class 2.1 LIMITED QUANTITY
ICAO class/division 2.1 LIMITED QUANTITY

14.4. Packing group
ADR/RID packing group N/A
IMDG packing group N/A
ICAO packing group N/A
ADN packing group N/A

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user
EmS F-D, S-U

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

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

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

Inventories
US - TSCA 12(b) Export Notification Not listed.

SECTION 16: Other information

Revision date 18/10/2018
Revision 42
Supersedes date 14/09/2018
## NO-CLEAN FLUX REMOVER - VERICLEAN, AEROSOL

<table>
<thead>
<tr>
<th>SDS number</th>
<th>AEROSOL - DC1107, DC1157</th>
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<tbody>
<tr>
<td>SDS status</td>
<td>Approved.</td>
</tr>
<tr>
<td>Hazard statements in full</td>
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</tr>
<tr>
<td>H220 Extremely flammable gas.</td>
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<tr>
<td>H222 Extremely flammable aerosol.</td>
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<tr>
<td>H225 Highly flammable liquid and vapour.</td>
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<td>H226 Flammable liquid and vapour.</td>
<td></td>
</tr>
<tr>
<td>H229 Pressurised container: may burst if heated.</td>
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</tr>
<tr>
<td>H336 May cause drowsiness or dizziness.</td>
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</tr>
<tr>
<td>H400 Very toxic to aquatic life.</td>
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