SAFETY DATA SHEET
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

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

1.1. Product identifier
Product name: DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK
Product number: MCC-DC1L, MCC-DC1G, MCC-DC1P, MCC-DC1D, MCC-DC1GL, MCC-DC1GG
Synonyms; trade names: DC1-VERICLEAN FLUX REMOVER, NON AEROSOL

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Cleaning agent.

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
techsupport@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: Flam. Liq. 2 - H225
Health hazards: Not Classified
Environmental hazards: Aquatic Acute 1 - H400

Human health: Splashes in the eyes may cause redness and irritation. Keep out of the reach of children. See Section 11 for additional information on health hazards.
Physicochemical: The product is highly flammable. Vapours may form explosive mixtures with air.

2.2. Label elements
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

Pictogram

Signal word Danger

Hazard statements H225 Highly flammable liquid and vapour.
H400 Very toxic to aquatic life.

Precautionary statements P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P273 Avoid release to the environment.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

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

Supplementary precautionary statements P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P233 Keep container tightly closed.
P241 Use explosion-proof electrical equipment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P308+P313 IF exposed or concerned: Get medical advice/ attention.
P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

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>HEXAMETHYLDISILOXANE (Methyl siloxane)</th>
<th>60-100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 107-46-0</td>
<td>EC number: 203-492-7</td>
</tr>
<tr>
<td>M factor (Acute) = 1</td>
<td></td>
</tr>
</tbody>
</table>

Classification
Flam. Liq. 2 - H225
Aquatic Acute 1 - H400
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

1-METHOXY-2-PROpanOL
CAS number: 107-98-2
EC number: 203-539-1

10-30%

Classification
Flam. Liq. 3 - H226
STOT SE 3 - H336

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.

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.

Inhalation
Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person warm and at rest. Get medical attention immediately.

Ingestion
Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Consult a physician for specific advice.

Skin contact
Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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.

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

Suitable extinguishing media
Extinguish with the following media: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Specific hazards
The product is flammable. Heating may generate flammable vapours. 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.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Eyewear complying with an approved standard should be worn if a risk assessment indicates
eye contact is possible. Unless the assessment indicates a higher degree of protection is
required, the following protection should be worn: Tight-fitting safety glasses.

6.2. Environmental precautions
Environmental precautions
Do not discharge into drains or watercourses or onto the ground. Never use water by itself on
spillage; this will spread the spill and cause further contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots,
clothing or apron, as appropriate. If leakage cannot be stopped, evacuate area. Eliminate all
sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage.
Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into
containers.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and
eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air
contamination is above an acceptable level. Keep out of the reach of children.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

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

Reference to other sections.
Store away from incompatible materials (see Section 10).

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
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

Additional Occupational
Exposure Limits

8.2. Exposure controls

Protective equipment
Appropriate engineering controls
Provide adequate general and local exhaust ventilation.
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygiene measures
Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

Respiratory protection
No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance: Liquid.
- 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 / 25°F Method: Tag closed cup.
- Evaporation rate: No information available.
- Evaporation factor: No information available.
- Flammability (solid, gas): Not applicable.
- Upper/lower flammability or explosive limits: Upper flammable/explosive limit: 18.6 %(V) Lower flammable/explosive limit: 1.25 %(V)
- Vapour pressure: 5.95 kPa @ 20°C
- Vapour density: > 1.0
- Relative density: No information available.
- Bulk density: No information available.
- Solubility(ies): Insoluble in water.
- Partition coefficient: No information available.
- Auto-ignition temperature: 365°C/689°F
- Decomposition Temperature: No information available.
- Viscosity: No information available.
- Explosive properties: No information available.

9.2. Other information
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Refractive index</td>
<td>No information available.</td>
</tr>
<tr>
<td>Particle size</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Volatility</td>
<td>100%</td>
</tr>
<tr>
<td>Saturation concentration</td>
<td>No information available.</td>
</tr>
<tr>
<td>Critical temperature</td>
<td>No information available.</td>
</tr>
<tr>
<td>Volatile organic compound</td>
<td>This product contains a maximum VOC content of 87 g/litre.</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

10.1. Reactivity
Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability
Stability

Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions

Will not polymerise.

10.4. Conditions to avoid
Conditions to avoid

Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidising agents. Strong alkalis. Strong mineral acids.

10.5. Incompatible materials
Materials to avoid

Strong oxidising agents.

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
Other health effects

There is no evidence that the product can cause cancer.

Inhalation

May cause respiratory system irritation. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion

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

Skin contact

Product has a defatting effect on skin. May cause skin irritation/eczema.

Eye contact

Irritating to eyes.

Toxicological information on ingredients.

**HEXAMETHYLDISILOXANE (Methyl siloxane)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - inhalation</td>
<td>106.0</td>
</tr>
<tr>
<td>Acute toxicity inhalation</td>
<td></td>
</tr>
<tr>
<td>(LC₅₀ vapours mg/l)</td>
<td></td>
</tr>
<tr>
<td>Species</td>
<td>Rat</td>
</tr>
</tbody>
</table>
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

SECTION 12: Ecological information

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

12.1. Toxicity
Ecological information on ingredients.

HEXAMETHYLDISILOXANE (Methyl siloxane)

<table>
<thead>
<tr>
<th>Toxicity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute aquatic toxicity</td>
<td></td>
</tr>
<tr>
<td>LE(C)₅₀</td>
<td>0.1 &lt; L(E)C₅₀ ≤ 1</td>
</tr>
<tr>
<td>M factor (Acute)</td>
<td>1</td>
</tr>
<tr>
<td>Acute toxicity - fish</td>
<td>LC₅₀, 96 hours: 0.46 mg/l, Fish</td>
</tr>
<tr>
<td>Acute toxicity - aquatic invertebrates</td>
<td>EC₅₀, 72 hours: 0.79 mg/l, Daphnia magna</td>
</tr>
<tr>
<td>Acute toxicity - aquatic plants</td>
<td>EC₅₀, 96 hours: &gt; 0.93 mg/l, Selenastrum capricornutum</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

Persistence and degradability
There are no data on the degradability of this product.

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.

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
Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)  UN1993
UN No. (IMDG)     UN1993
UN No. (ICAO)     UN1993
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

14.2. UN proper shipping name
Proper shipping name (IMDG)  UN1993, FLAMMABLE LIQUID, N.O.S.(Hexamethyldisiloxane), 3, PGII
Proper shipping name (ICAO) UN1993, FLAMMABLE LIQUID, N.O.S.(Hexamethyldisiloxane), 3, PGII

14.3. Transport hazard class(es)
ADR/RID class 3
IMDG class 3
ICAO class/division 3

14.4. Packing group
ADR/RID packing group II
IMDG packing group II
ICAO packing group II

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user
EmS F-E, S-E

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 Yes

SECTION 16: Other information

Revision date 17/01/2019
Revision 37
Supersedes date 04/04/2018
SDS number BULK - DC1
SDS status Approved.
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.

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.