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

1. Identification

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

Recommended use of the chemical and restrictions on use

Application  Cleaning agent.

Details of the supplier of the safety data sheet

Supplier  MICROCARE CORPORATION

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:  +1 860-893-1930
  techsupport@microcare.com

Emergency telephone number

Emergency telephone  CHEMTREC 1-800-424-9300 (within the U.S.)
  +1 703-741-5970 (from anywhere in the world)

2. Hazard(s) identification

Classification of the substance or mixture

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. Vapors may form explosive mixtures with air.

Label elements

Pictogram

Signal word  Danger
DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK

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

Precautionary statements
P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.  
P240 Ground/ bond container and receiving equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
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
Safety data sheet available on request. For use in industrial installations only.

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

3. Composition/information on ingredients

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></td>
</tr>
<tr>
<td>M factor (Acute) = 1</td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td></td>
</tr>
<tr>
<td>Flam. Liq. 2 - H225</td>
<td></td>
</tr>
<tr>
<td>Aquatic Acute 1 - H400</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1-METHOXY-2-PROPANOL</th>
<th>10-30%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 107-98-2</td>
<td></td>
</tr>
<tr>
<td>Classification</td>
<td></td>
</tr>
<tr>
<td>Flam. Liq. 3 - H226</td>
<td></td>
</tr>
<tr>
<td>STOT SE 3 - H336</td>
<td></td>
</tr>
</tbody>
</table>

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

Composition comments
TSCA: The ingredients of this product are on the TSCA Inventory. The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of CFR 1900.1200

Composition

4. First-aid measures

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.
**DC1 - NO-CLEAN FLUX REMOVER, VERICLEAN - BULK**

**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.

**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.

**Indication of immediate medical attention and special treatment needed**

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

**5. Fire-fighting measures**

**Extinguishing media**

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

**Special hazards arising from the substance or mixture**

**Specific hazards**
The product is flammable. Heating may generate flammable vapors. Oxides of carbon. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3.

**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 vapors.

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

**6. Accidental release measures**

**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.

**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.

**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.

**7. Handling and storage**

**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 vapors. Use approved respirator if air contamination is above an acceptable level. Keep out of the reach of children.

**Conditions for safe storage, including any incompatibilities**

**Storage precautions**
Keep away from heat, sparks and open flame.
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Specific end use(s) The identified uses for this product are detailed in Section 1.
Reference to other sections Store away from incompatible materials (see Section 10).

8. Exposure controls/Personal protection

Control parameters
Occupational exposure limits
1-METHOXY-2-PROPANOL
Long-term exposure limit (8-hour TWA): ACGIH 50 ppm 184 mg/m³
Short-term exposure limit (15-minute): ACGIH 100 ppm 369 mg/m³
A4
ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.

Additional Occupational Exposure Limits

8. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate general and local exhaust ventilation.

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 vapor 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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Liquid.
Color Clear liquid. Colorless.
Odor Slight. Ether.
Odor 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
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<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>-4.0°C/25°F Method: Tag closed cup.</td>
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<tr>
<td>Evaporation rate</td>
<td>No information available.</td>
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<tr>
<td>Evaporation factor</td>
<td>No information available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Upper/lower flammability or</td>
<td>Upper flammable/explosive limit: 18.6 %(V) Lower flammable/explosive limit: 1.25 %(V)</td>
</tr>
<tr>
<td>explosive limits</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>5.95 kPa @ 20°C</td>
</tr>
<tr>
<td>Vapor density</td>
<td>&gt; 1.0</td>
</tr>
<tr>
<td>Relative density</td>
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</tr>
<tr>
<td>Bulk density</td>
<td>No information available.</td>
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<tr>
<td>Solubility(ies)</td>
<td>Insoluble in water.</td>
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<tr>
<td>Partition coefficient</td>
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<tr>
<td>Auto-ignition temperature</td>
<td>365°C/689°F</td>
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<tr>
<td>Decomposition Temperature</td>
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<tr>
<td>Viscosity</td>
<td>No information available.</td>
</tr>
<tr>
<td>Explosive properties</td>
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<tr>
<td>Refractive index</td>
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</tr>
<tr>
<td>Particle size</td>
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</tr>
<tr>
<td>Molecular weight</td>
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<tr>
<td>Volatility</td>
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<tr>
<td>Critical temperature</td>
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<tr>
<td>Volatile organic compound</td>
<td>This product contains a maximum VOC content of 87 g/litre.</td>
</tr>
</tbody>
</table>

**10. Stability and reactivity**

- **Reactivity**: There are no known reactivity hazards associated with this product.
- **Stability**: Stable at normal ambient temperatures.
- **Possibility of hazardous reactions**: Will not polymerize.
- **Conditions to avoid**: Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidizing agents. Strong alkalis. Strong mineral acids.
- **Materials to avoid**: Strong oxidizing agents.

**11. Toxicological Information**

- **Information on toxicological effects**: Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Vapors/gases/fumes of: Silicon dioxide Formaldehyde
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Other health effects
There is no evidence that the product can cause cancer.

Inhalation
May cause respiratory system irritation. Vapors 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)

Acute toxicity - inhalation
Acute toxicity inhalation (LC₅₀ vapours mg/l) 106.0
Species Rat

12. Ecological information

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

Ecological information on ingredients.

HEXAMETHYLDISILOXANE (Methyl siloxane)

Toxicity
Very toxic to aquatic organisms.

Acute aquatic toxicity
LE₅₀ 0.1 < L(E)C₅₀ ≤ 1
M factor (Acute) 1
Acute toxicity - fish LC₅₀, 96 hours: 0.46 mg/l 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

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

Bioaccumulative potential
No data available on bioaccumulation.

Partition coefficient
No information available.

Mobility in soil
The product contains volatile substances which may spread in the atmosphere.

Other adverse effects
Not available.

13. Disposal considerations
**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.

### 14. Transport information

<table>
<thead>
<tr>
<th><strong>UN Number</strong></th>
<th></th>
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<tbody>
<tr>
<td><strong>UN No. (IMDG)</strong></td>
<td>UN1993</td>
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<tr>
<td><strong>UN No. (ICAO)</strong></td>
<td>UN1993</td>
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**UN proper shipping name**

| **Proper shipping name (TDG)** | UN1993, FLAMMABLE LIQUID, N.O.S.(Hexamethyldisiloxane), 3, PGII |
| **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 |
| **Proper shipping name (DOT)** | UN1993, FLAMMABLE LIQUID, N.O.S.(Hexamethyldisiloxane), 3, PGII |

**Transport hazard class(es)**

| **TDG class** | 3 |
| **IMDG Class** | 3 |
| **ICAO class/division** | 3 |

**Packing group**

| **TDG Packing Group** | II |
| **IMDG packing group** | II |
| **ICAO packing group** | II |
| **DOT packing group** | II |

**Environmental hazards**

Environmentally Hazardous Substance

### Special precautions for user

**EmS**
F-E, S-E

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

### 15. Regulatory information

**US Federal Regulations**

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
Not listed.
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CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities
Not listed.

SARA 313 Emission Reporting
Not listed.

CAA Accidental Release Prevention
Not listed.

SARA (311/312) Hazard Categories
Fire

OSHA Highly Hazardous Chemicals
Not listed.

US State Regulations
California Proposition 65 Carcinogens and Reproductive Toxins
Not listed.

California Air Toxics "Hot Spots" (A-II)
Not listed.

Inventories
Canada - DSL/NDSL
DSL

US - TSCA
Yes

16. Other information

<table>
<thead>
<tr>
<th>Revision date</th>
<th>1/17/2019</th>
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<tbody>
<tr>
<td>Revision</td>
<td>37</td>
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<tr>
<td>Supersedes date</td>
<td>4/4/2018</td>
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<tr>
<td>SDS No.</td>
<td>BULK - DC1</td>
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<tr>
<td>SDS status</td>
<td>Approved</td>
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<tr>
<td>Hazard statements in full</td>
<td></td>
</tr>
<tr>
<td>H225 Highly flammable liquid and vapor.</td>
<td></td>
</tr>
<tr>
<td>H226 Flammable liquid and vapor.</td>
<td></td>
</tr>
<tr>
<td>H336 May cause drowsiness or dizziness.</td>
<td></td>
</tr>
<tr>
<td>H400 Very toxic to aquatic life.</td>
<td></td>
</tr>
</tbody>
</table>

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.