



SAFETY DATA SHEET

NO-CLEAN FLUX REMOVER - VERICLEAN, 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 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
 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 Aerosol 1 - H222, H229
Health hazards Not Classified
Environmental hazards Aquatic Acute 1 - H400

2.2. Label elements

Pictogram



Signal word Danger

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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

HEXAMETHYLDISILOXANE (Methyl siloxane)	60-100%
CAS number: 107-46-0 EC number: 203-492-7 REACH registration number: 01-2119496108-31	
M factor (Acute) = 1	
Classification Flam. Liq. 2 - H225 Aquatic Acute 1 - H400	
PROPANE	10-30%
CAS number: 74-98-6 EC number: 200-827-9	
Classification Flam. Gas 1 - H220	
1-METHOXY-2-PROPANOL	5-10%
CAS number: 107-98-2 EC number: 203-539-1	
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336	

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BUTANE	5-10%
CAS number: 106-97-8	EC number: 203-448-7
Classification	
Flam. Gas 1 - H220	
Press. Gas	
ISOBUTANE	1-5%
CAS number: 75-28-5	EC number: 200-857-2
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.

Composition

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.

SECTION 6: Accidental release measures

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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(ies)	Insoluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	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 106.0
(LC₅₀ vapours mg/l)

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.

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Ecological information on ingredients.

HEXAMETHYLDISILOXANE (Methyl siloxane)

Toxicity	Very toxic to aquatic organisms.
<u>Acute aquatic toxicity</u>	
LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.46 mg/l mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 72 hours: 0.79 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 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

Hazard Identification Number 23
(ADR/RID)

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

EU legislation 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).

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

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