



SAFETY DATA SHEET

NO-CLEAN FLUX REMOVER - VERICLEAN, AEROSOL

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

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

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. Aerosol 1 - H222
Health hazards Not Classified
Environmental hazards Aquatic Acute 1 - H400

Label elements

Pictogram



Signal word Danger

Hazard statements H222 Extremely flammable aerosol.
 H400 Very toxic to aquatic life.

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Precautionary statements

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Pressurized container: 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

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

HEXAMETHYLDISILOXANE (Methyl siloxane)	60-100%
CAS number: 107-46-0	
M factor (Acute) = 1	
Classification	
Flam. Liq. 2 - H225	
Aquatic Acute 1 - H400	
PROPANE	10-30%
CAS number: 74-98-6	
Classification	
Flam. Gas 1 - H220	
1-METHOXY-2-PROPANOL	5-10%
CAS number: 107-98-2	
Classification	
Flam. Liq. 3 - H226	
STOT SE 3 - H336	
BUTANE	5-10%
CAS number: 106-97-8	
Classification	
Flam. Gas 1 - H220	
Press. Gas, Compressed - H280	
ISOBUTANE	1-5%
CAS number: 75-28-5	
Classification	
Flam. Gas 1 - H220	
Press. Gas, Liquefied - H280	

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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 TSCA: The ingredients of this product are on the TSCA Inventory.

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

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.

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.

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.

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

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 vapors can be ignited. 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. Bursting aerosol containers may be propelled from a fire at high speed.

6. Accidental release measures

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.

7. Handling and storage

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

PROPANE

Long-term exposure limit (8-hour TWA): OSHA 1000 ppm 1800 mg/m³

1-METHOXY-2-PROPANOL

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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

BUTANE

Short-term exposure limit (15-minute): ACGIH 1000 ppm 2370 mg/m³

ISOBUTANE

Short-term exposure limit (15-minute): ACGIH 1000 ppm 2370 mg/m³

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

Additional Occupational Exposure Limits

Exposure controls

Protective equipment



9. Physical and chemical properties

Information on basic physical and chemical properties

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
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)
Other flammability	Extremely flammable aerosol.
Vapor pressure	5.95 kPa @ 25°C
Vapor 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.

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Volatility	100%
Volatile organic compound	This product contains a maximum VOC content of 87 g/litre.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Hazardous decomposition products	Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Vapors/gases/fumes of: Silicon dioxide Formaldehyde

11. Toxicological information

Information on toxicological effects

Ingestion	No harmful effects expected from quantities likely to be ingested by accident.
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Toxicological information on ingredients.

HEXAMETHYLDISILOXANE (Methyl siloxane)

Acute toxicity - inhalation

Acute toxicity inhalation 106.0
(LC₅₀ vapours mg/l)

Species Rat

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.
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Toxicity	Very toxic to aquatic organisms.
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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 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

Persistence and degradability	The degradability of the product is not known.
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Phototransformation	Not determined.
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Bioaccumulative potential

Bio-Accumulative Potential	No data available on bioaccumulation.
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Partition coefficient No information available.

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.

Other adverse effects

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

13. Disposal considerations**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.

UN Number

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN proper shipping name

Proper shipping name (TDG) LIMITED QUANTITY

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

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

Proper shipping name (DOT) LIMITED QUANTITY

Transport hazard class(es)

IMDG Class 2.1 LIMITED QUANTITY

ICAO class/division 2.1 LIMITED QUANTITY

Packing group

TDG Packing Group N/A

IMDG packing group N/A

ICAO packing group N/A

DOT packing group N/A

Environmental hazards

Environmentally Hazardous Substance

**Special precautions for user**

EmS F-D, S-U

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

15. Regulatory information

NO-CLEAN FLUX REMOVER - VERICLEAN, AEROSOL

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed.

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

Acute
Fire
Pressure

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

US - TSCA

Yes

US - TSCA 12(b) Export Notification

Not listed.

Australia - AICS

Not listed.

Korea - KECI

Not listed.

China - IECSC

Not listed.

Philippines - PICCS

Not listed.

New Zealand - NZIOC

Not listed.

Taiwan - NECI

Not listed.

16. Other information

NO-CLEAN FLUX REMOVER - VERICLEAN, AEROSOL

Revision date	10/18/2018
Revision	42
Supersedes date	9/14/2018
SDS No.	AEROSOL - DC1107, DC1157
SDS status	Approved.
Hazard statements in full	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapor. H226 Flammable liquid and vapor. H280 Contains gas under pressure; may explode if heated. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life.