



SAFETY DATA SHEET DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL

According to Regulation (EC) No 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL
Product No. MCC-DC1L, MCC-DC1G, MCC-DC1P, MCC-DC1D

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
Havendoklaan 19
1804 Cargovil - Vilvoorde
Belgium
Tel: +32 2 251 95 05

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

1.4. Emergency telephone number

0032-2-251-95-05 (9 AM - 5 PM, Mon- Fri)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Flam. Liq. 2 - H225
Human health	Not classified.
Environment	Not classified.

Classification (1999/45/EEC)

F;R11.

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.

Physical and Chemical Hazards

The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008

DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL

Signal Word	Danger	
Hazard Statements	H225	Highly flammable liquid and vapour.
Precautionary Statements	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P501	Dispose of contents/container to ...
Supplementary Precautionary Statements	P233	Keep container tightly closed.
	P240	Ground/bond container and receiving equipment.
	P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P370+378	In case of fire: Use ... for extinction.
	P403+235	Store in a well-ventilated place. Keep cool.

2.3. Other hazards**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

1-METHOXY-2-PROPANOL		5-10%
CAS-No.: 107-98-2	EC No.: 203-539-1	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	R10	
STOT Single 3 - H336	R67	

The Full Text for all R-Phrases and Hazard Statements are 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. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Inhalation

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

Ingestion

DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Consult a physician for specific advice.

Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

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

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Specific hazards

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear approved, tight fitting safety glasses where splashing is probable.

6.2. Environmental precautions

Do not discharge into drains, water courses 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

Wear necessary protective equipment. If leakage cannot be stopped, evacuate area. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. 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

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Keep out of the reach of children.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
		ppm(Sk)	mg/m3(Sk)	ppm(Sk)	mg/m3(Sk)	
1-METHOXY-2-PROPANOL	WEL	100	375	150	560	
		ppm(Sk)	mg/m3(Sk)	ppm(Sk)	mg/m3(Sk)	

WEL = Workplace Exposure Limit.

8.2. Exposure controls**Protective equipment****Engineering measures**

Provide adequate general and local exhaust ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

Use eye protection. If risk of splashing, wear safety goggles or face shield.

Other 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 non-impermeable clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Colour	Clear Colourless.
Odour	Slight odour. Ether.
Solubility	Not soluble in water.
Initial boiling point and boiling range	98 C / 210 F
Vapour density (air=1)	> 1.0
Vapour pressure	44.6 mm Hg 25
Flash point (°C)	-04.0 C / 24.8 F TCC (Tag closed cup).
Auto Ignition Temperature (°C)	689 C / 365 C
Flammability Limit - Lower(%)	1.25
Flammability Limit - Upper(%)	18.6

9.2. Other information

Volatility Description	Volatile
Volatile Organic Compound (VOC)	87 g/litre

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL**Hazardous Polymerisation**

Will not polymerise.

10.4. Conditions to avoid

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

10.5. Incompatible materials**Materials To Avoid**

Strong oxidising substances.

10.6. Hazardous decomposition products

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**

This substance has no evidence of carcinogenic properties.

Inhalation

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

Ingestion

No harmful effects expected in amounts 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.

Name	1-METHOXY-2-PROPANOL
Name	Methyl Siloxane
Toxic Conc. - LC 50	87 mg/l/4h (inh-rat)

SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity****12.2. Persistence and degradability****Degradability**

There are no data on the degradability of this product.

12.3. Bioaccumulative potential**Bioaccumulative potential**

No data available on bioaccumulation.

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

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not available.

Name	1-METHOXY-2-PROPANOL
	Methyl Siloxane
LC 50, 96 Hrs, Fish mg/l	0.46 mg/l
Acute Fish Toxicity	
Very toxic to aquatic organisms.	

SECTION 13: DISPOSAL CONSIDERATIONS

DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL

General information

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN)	UN1993
UN No. (IMDG)	UN 1993
UN No. (ICAO)	UN 1993

14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE LIQUID NOS (HEXAMETHYLDISILOXANE)

14.3. Transport hazard class(es)

ADR/RID/ADN Class	Class 3: Flammable liquids.
IMDG Class	3
ICAO Class/Division	3
Transport Labels	



14.4. Packing group

ADR/RID/ADN Packing group	II
IMDG Packing group	II
ICAO Packing group	II

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 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 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Date	06/01/2012
Revision	7
Supersedes date	06/01/2011

DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL

Safety Data Sheet Status

Approved.

Date

6, January 2011

Risk Phrases In Full

R10

Flammable.

R67

Vapours may cause drowsiness and dizziness.

Hazard Statements In Full

H226

Flammable liquid and vapour.

H336

May cause drowsiness or dizziness.

Disclaimer

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.