MATERIAL SAFETY DATA SHEET
DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME DC1 - VERICLEAN FLUX REMOVER, NON AEROSOL

PRODUCT NO. MCC-DC1L, MCC-DC1G, MCC-DC1P, MCC-DC1D

SUPPLIER
MICROCARE CORPORATION
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IDENTIFICATION No. UN1993

2 HAZARDS IDENTIFICATION

PHYSICAL AND CHEMICAL HAZARDS

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

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.

POTENTIAL HEALTH EFFECTS

INHALATION

May cause irritation to the respiratory system. Vapors 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.

CARCINOGENICITY

This substance has no evidence of carcinogenic properties.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %
1-METHOXY-2-PROPANOL	203-539-1	107-98-2	5-10%
HEXAMETHYLDISILOXANE	203-492-7	107-46-0	90-100%

COMPOSITION COMMENTS

The Data Shown is in accordance with the latest EC Directives.

4 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.

NOTES TO THE PHYSICIAN

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!

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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.

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.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

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

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 vapors.

UNUSUAL FIRE & EXPLOSION HAZARDS

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

SPECIFIC HAZARDS

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

PROTECTIVE MEASURES IN FIRE

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

AUTO IGNITION TEMPERATURE (°C)	689 C / 365 C
FLAMMABILITY LIMIT - LOWER(%)	1.25
FLAMMABILITY LIMIT - UPPER(%)	18.6
FLASH POINT (°C)	-04.0 C / 24.8 F TCC (Tag closed cup).

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

SPILL CLEAN UP METHODS

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.

7 HANDLING AND STORAGE

HANDLING

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

STORAGE

Keep away from heat, sparks and open flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT


ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

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

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOR	Clear Colourless.
ODOR	Slight odor. Ether.
VOLATILITY DESCRIPTION	Volatile
SOLUBILITY	Not soluble in water.
BOILING POINT (°C)	98 C / 210 F
VAPOR DENSITY (air=1)	> 1.0
VAPOR PRESSURE	44.6 mm Hg 25
FLASH POINT (°C)	-04.0 C / 24.8 F TCC (Tag closed cup).
VOLATILE ORGANIC CONTENT	87 g/litre

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

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

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong oxidizing substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Vapors/gases/fumes of: Silicon dioxide Formaldehyde

11 TOXICOLOGICAL INFORMATION

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

12 ECOLOGICAL INFORMATION

Name	1-METHOXY-2-PROPANOL
	HEXAMETHYLDISILOXANE
LC 50, 96 Hrs, Fish mg/l	0.46 mg/l

Acute Fish Toxicity

Very toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

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WASTE MANAGEMENT

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

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME	FLAMMABLE LIQUID NOS (HEXAMETHYLDISILOXANE)
TDG SHIPPING NAME	FLAMMABLE LIQUID NOS (HEXAMETHYLDISILOXANE)
IDENTIFICATION No.	UN1993
UN NO. SEA	1993
IMDG CLASS	3
IMDG PACK GR.	II
UN NO. AIR	1993
AIR CLASS	3
AIR PACK GR.	II

15 REGULATORY INFORMATION

16 OTHER INFORMATION

REVISION DATE	10/06/2011
VERSION No.	2

SAFETY DATA SHEET STATUS

Approved.

DATE	6, January 2011