



MATERIAL SAFETY DATA SHEET

POC - FIBER OPTIC SPLICE & CONNECTOR CLEANER

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	POC - FIBER OPTIC SPLICE & CONNECTOR CLEANER
PRODUCT NO.	MCC-POCGG, MCC-POC03M, MCC-POCP
SUPPLIER	MICROCARE CORPORATION 595 John Downey Drive New Britain, CT 06019 United States of America CAGE: OATV9 +1 860-827-0626 +1 860-827-8105 techsupport@microcare.com
EMERGENCY TELEPHONE	CHEMTREC (800) 424-9300

2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Colorless liquid Slight odor of alcohol This product is not flammable. Prolonged contact may cause redness, irritation and dry skin. Vapors are heavier than air and may travel along the floor and in the bottom of containers. Keep out of reach of children.

ENVIRONMENT

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

PHYSICAL AND CHEMICAL HAZARDS

Vapors are heavier than air and may travel along the floor and in the bottom of containers. Gas or vapor displaces oxygen available for breathing (asphyxiant). Considering the limited amount applied during use and the size of the container, the risk of adverse effects is considered small.

HUMAN HEALTH

Prolonged skin contact may cause redness, irritation and dry skin. Mild dermatitis, allergic skin rash.

POTENTIAL HEALTH EFFECTS

INHALATION

Vapors may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

INGESTION

May cause stomach pain or vomiting. May cause nausea, headache, dizziness and intoxication.

SKIN CONTACT

Repeated exposure may cause skin dryness or cracking. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

EYE CONTACT

May cause temporary eye irritation.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Weight
Methyl Nonafluorobutyl Ether		163702-07-6	30-60%
Methyl Nonafluoroisobutyl Ether		163702-08-7	30-60%
PROPAN-2-OL	200-661-7	67-63-0	10-30%

4 FIRST-AID MEASURES

GENERAL INFORMATION

Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Perform artificial respiration if breathing has stopped. Do not give victim anything to drink if they are unconscious.

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INHALATION

Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). Do not give victim anything to drink if they are unconscious. Consult a physician for specific advice.

SKIN CONTACT

Remove contaminated clothes and rinse skin thoroughly with water.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Contact physician if discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable.

SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed or cooled with water. Avoid contact with naked flames and hot surfaces as corrosive and toxic decomposition products can be formed.

UNUSUAL FIRE & EXPLOSION HAZARDS

Containers can burst violently when heated, due to excess pressure build-up.

SPECIFIC HAZARDS

In case of fire, toxic gases may be formed.

PROTECTIVE MEASURES IN FIRE

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

FLAMMABILITY LIMIT - 4.0

LOWER(%)

FLAMMABILITY LIMIT - UPPER(%) 16.7

FLAMMABILITY CLASS

This product is not flammable.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

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

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable adsorbent material.

SPILL CLEAN UP METHODS

Absorb spillage with suitable absorbent material.

7 HANDLING AND STORAGE

HANDLING

Provide good ventilation. Avoid contact with skin and eyes.

STORAGE

Do not store near heat sources or expose to high temperatures. Keep upright.

STORAGE CLASS

This product is not flammable.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good 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

Hand protection not required. For prolonged or repeated skin contact use suitable protective gloves. Neoprene gloves are recommended.

EYE PROTECTION

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

HYGIENE MEASURES

When using do not eat, drink or smoke. No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid		
COLOR	Colorless		
ODOR	Slight odor of alcohol		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Slightly soluble in water.		
UDF Phrase 1	This product is not flammable.		
This product is not flammable.			
BOILING POINT (°C)	54 C / 129 F	VAPOR DENSITY (air=1)	7.0
VAPOR PRESSURE	207 mm Hg 25	VOLATILE BY VOL. (%)	100

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid contact with naked flames and hot surfaces as corrosive and toxic decomposition products can be formed.

HAZARDOUS POLYMERISATION

Will not polymerize.

MATERIALS TO AVOID

Alkali metals. Alkali earth metals. Powdered metal.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures may form toxic and corrosive vapors. Hydrogen fluoride (HF). Halogenated hydrocarbons. Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

Name	PROPAN-2-OL
Toxic Dose 1 - LD 50	5045 mg/kg (oral rat)
Toxic Dose 2 - LD 50	3600 mg/kg (oral-mouse)
Toxic Conc. - LC 50	16,000 ppm/1h (inh-rat)
Name	Methyl Nonafluoroisobutyl Ether
Name	Methyl Nonafluorobutyl Ether

CARCINOGENICITY

This substance has no evidence of carcinogenic properties.

12 ECOLOGICAL INFORMATION

BIOACCUMULATION

No data available on bioaccumulation.

DEGRADABILITY

No data available.

ACUTE FISH TOXICITY

Not considered toxic to fish.

Name	PROPAN-2-OL
LC 50, 96 hrs, Fish mg/l	9,640

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EC 50, 48 hrs, Daphnia, mg/l 5102
IC 50, 72 hrs, Algae, mg/l >2,000
Name Methyl Nonafluoroisobutyl Ether

Ecotoxicity

The product is not expected to be toxic to aquatic organisms.

Mobility

Not relevant, due to the form of the product.

Bioaccumulation potential

No data available on bioaccumulation.

Degradability

The product is not expected to be biodegradable.

Acute Fish Toxicity

Not considered toxic to fish.

Name Methyl Nonafluorobutyl Ether

Ecotoxicity

There are no data on the ecotoxicity of this product.

Mobility

Not relevant, due to the form of the product.

Bioaccumulation potential

No data available on bioaccumulation.

Degradability

No data available.

Acute Fish Toxicity

Not considered toxic to fish.

13 DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

TRANSPORT NOTES

Not regulated. The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

MARKINGS

None

15 REGULATORY INFORMATION

INVENTORIES

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
PROPAN-2-OL	DSL	Yes						
Methyl Nonafluoroisobutyl Ether	DSL	Yes						
Methyl Nonafluorobutyl Ether	DSL	Yes						

SARA (311/312) HAZARD CATEGORIES

Acute

REGULATORY STATUS (US)

TSCA: The ingredients of this product are on the TSCA Inventory. SECTION 313: This product is a toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and reauthorization Act of 1986 and 40 CFR Part 372.

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REGULATORY REFERENCES

29 CFR 1910.1010 Federal Regulations (OSHA Standard).

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM -WHMIS

LABEL(S) FOR SUPPLY



Materials Causing
Other Toxic
Effects.

CONTROLLED PRODUCT CLASSIFICATION

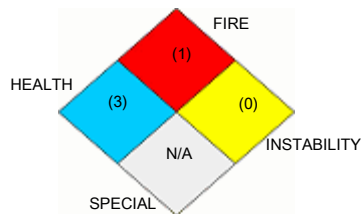
Canadian WHMIS Classification D2 WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information.

16 OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH		3
FLAMMABILITY		1
PHYSICAL		0
PERSONAL PROTECTION	supervisor fr	

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

REVISION DATE 13/01/2010

VERSION No. 4

SAFETY DATA SHEET STATUS

Approved.

DATE January 16, 2009

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.