



SAFETY DATA SHEET
FCC2 FIBER CONNECTOR CLEANER

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

PRODUCT NAME	FCC2 FIBER CONNECTOR CLEANER		
PRODUCT NO.	MCC-FCC2, MCC-FCC03M, MCC-FCC2GG, MCC-FCC2P		
SYNONYMS, TRADE NAMES	NSN: 6850015356196		
SUPPLIER	MICROCARE EUROPE BVBA	MANUFACTURER	MICROCARE CORPORATION
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2 HAZARDS IDENTIFICATION

Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xn;R20/21/22, R68/20/21/22, R52/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1,1,1,2,3,4,4,5,5,5-decafluoropentane	420-640-8	138495-42-8	30-60%	R52/53.
METHANOL	200-659-6	67-56-1	1-5%	F;R11 T;R23/24/25,R39/23/24/25
PENTAFLUOROBUTANE		406-58-6	30-60%	F;R11.

The Full Text for all R-Phrases are Displayed in Section 16

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.

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.

FCC2 FIBER CONNECTOR CLEANER**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.

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**USAGE PRECAUTIONS**

Provide good ventilation. Avoid contact with skin and eyes.

STORAGE PRECAUTIONS

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

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
		ppm(Sk)	mg/m3(Sk)	ppm(Sk)	mg/m3(Sk)	
METHANOL	WEL	200	266	250	333	
		ppm(Sk)	mg/m3(Sk)	ppm(Sk)	mg/m3(Sk)	

WEL = Workplace Exposure Limit.

ENGINEERING MEASURES

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

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

HAND PROTECTION

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

EYE PROTECTION

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

HYGIENE MEASURES

When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid		
COLOUR	Colourless		
ODOUR	Slight odour Ether		
SOLUBILITY	Slightly soluble in water.		
BOILING POINT (°C)	45	VAPOUR DENSITY (air=1)	4
VAPOUR PRESSURE	310 mm Hg 20	VOLATILE BY VOL. (%)	100
FLASH POINT (°C)	None TCC (Tag closed cup).	FLAMMABILITY LIMIT - LOWER(%)	7.5
FLAMMABILITY LIMIT - UPPER(%)	9.0		

10 STABILITY AND REACTIVITY**STABILITY**

No particular stability concerns.

FCC2 FIBER CONNECTOR CLEANER**CONDITIONS TO AVOID**

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

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Reacts strongly with alkaline metals and metal powder. Alkali earth metals.

HAZARDOUS DECOMPOSITION PRODUCTS

During fire, toxic gases (CO, CO₂) are formed. Hydrogen fluoride (HF).

11 TOXICOLOGICAL INFORMATION**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

The product contains a substance which has a photochemical ozone creation potential. The product contains substances which contribute to global warming (greenhouse effect). The product contains a substance which is harmful to aquatic organisms.

BIOACCUMULATION

No data available on bioaccumulation.

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

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**GENERAL**

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

15 REGULATORY INFORMATION**LABELLING**

Harmful

CONTAINS

METHANOL

RISK PHRASES

R20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R68/20/21/22

Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

SAFETY PHRASES

S36/37

Wear suitable protective clothing and gloves.

S51

Use only in well-ventilated areas.

S60

This material and its container must be disposed of as hazardous waste.

16 OTHER INFORMATION**REVISION DATE**

March 19, 2009

FCC2 FIBER CONNECTOR CLEANER

SAFETY DATA SHEET STATUS

Approved.

DATE March 19, 2009

RISK PHRASES IN FULL

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R11	Highly flammable.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

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.