



SAFETY DATA SHEET

EPX ExPOXY SOLVENT, BULK

According to Regulation (EC) No 1907/2006

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

PRODUCT NAME	EPX ExPOXY SOLVENT, BULK		
PRODUCT NO.	MCC-EPXL, MCC-EPXG, MCC-EPXP, MCC-EPXD		
SUPPLIER	MICROCARE EUROPE BVBA	MANUFACTURER	MICROCARE CORPORATION
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			techsupport@microcare.com

2 HAZARDS IDENTIFICATION

Vapours may cause drowsiness and dizziness. Irritating to eyes and skin.

CLASSIFICATION Xi;R36/38. R67.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1-ETHOXYPROPAN-2-OL	216-374-5	1569-02-4	30-60%	R10 R67
1-METHOXY-2-PROPANOL	203-539-1	107-98-2	10-30%	R10
1-propoxypropan-2-ol	216-372-4	1569-01-3	30-60%	Xi;R36/38.

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

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). Do not give victim anything to drink if they are unconscious. 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. Get medical attention if any 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 vapours.

EPX ExPOXY SOLVENT, BULK

UNUSUAL FIRE & EXPLOSION HAZARDS

Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

SPECIFIC HAZARDS

Considering the size of the packaging, the risk is regarded as minimal.

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

Use protective gloves, goggles and suitable protective clothing. Do not smoke, use naked flames or other sources of ignition. Provide adequate ventilation.

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. Dam and absorb spillages with sand, earth or other non-combustible material. Collect in containers and seal securely.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Do not eat, drink or smoke when using the product. 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.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep containers tightly closed. Keep away from heat, sparks and open flame.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation. Avoid heat, flames and other sources of ignition.

RESPIRATORY EQUIPMENT

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

HAND PROTECTION

Chemical resistant gloves required for prolonged or repeated contact. Gloves of nitrile rubber, PVA or Viton are recommended.

EYE PROTECTION

Use eye protection. Wear approved chemical safety goggles where eye exposure is reasonably probable.

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 any clothing that becomes contaminated. When using do not eat, drink or smoke.

EPX ExPOXY SOLVENT, BULK**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Clear liquid		
COLOUR	Colourless		
ODOUR	Mild Odour of alcohol		
VOLATILITY DESCRIPTION	Volatile.		
SOLUBILITY	Soluble in water		
Flammability	FLAMMABLE.		
BOILING POINT (°C)	248-302 C / 120-150 F	VAPOUR DENSITY (air=1)	4.0
VAPOUR PRESSURE	6.2 mbar 20	VOLATILE BY VOL. (%)	100
FLASH POINT (°C)	41 C / 106 F TCC (Tag closed	FLAMMABILITY LIMIT - LOWER(%)	N/A
FLAMMABILITY LIMIT - UPPER(%)	cup). N/A		

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 oxidising agents. Strong alkalis. Strong mineral acids.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION**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.

SKIN CONTACT

Product has a defatting effect on skin. May cause skin irritation/eczema

EYE CONTACT

Irritating to eyes.

HEALTH WARNINGS

Keep out of reach of children.

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

Name	1-METHOXY-2-PROPANOL
Name	1-ETHOXYPROPAN-2-OL
Name	1-propoxypropan-2-ol
Toxic Dose 1 - LD 50	3550 mg/kg (oral-rbt)

12 ECOLOGICAL INFORMATION

Name	1-METHOXY-2-PROPANOL
	1-ETHOXYPROPAN-2-OL
	1-propoxypropan-2-ol

13 DISPOSAL CONSIDERATIONS

EPX ExPOXY SOLVENT, BULK**GENERAL INFORMATION**

When handling waste, consideration should be made to the safety precautions applying to handling of the product. Waste is classified as hazardous waste. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket. Recover and reclaim or recycle, if practical.

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

UK ROAD CLASS	3		
PROPER SHIPPING NAME	FLAMMABLE LIQUID N.O.S. (1-propoxy-2-propanol)		
UN NO. ROAD	UN1993	UK ROAD PACK GR.	III
ADR PACK GROUP	III	UN NO. SEA	UN1993
IMDG CLASS	3	IMDG PACK GR.	III

15 REGULATORY INFORMATION**LABELLING**

Irritant

RISK PHRASES

R36/38	Irritating to eyes and skin.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37	Wear suitable gloves.
S60	This material and its container must be disposed of as hazardous waste.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

16 OTHER INFORMATION**REVISION COMMENTS**

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

REVISION DATE 04/06/2009

REV. NO./REPL. SDS 1

GENERATED

SAFETY DATA SHEET STATUS

Approved.

DATE June 3, 2009

EPX ExPOXY SOLVENT, BULK

RISK PHRASES IN FULL

R10	Flammable.
R36/38	Irritating to eyes and skin.
R67	Vapours may cause drowsiness and 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.