



SAFETY DATA SHEET

EPX UNCURED EPOXY CLEANER - BULK

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name EPX UNCURED EPOXY CLEANER - BULK

Product number MCC-EPXL, MCC-EPXG, MCC-EPXP, MCC-EPXD, MCC-EPXGL, MCC-EPXGG

Synonyms; trade names "EPX- ExPOXY SOLVENT, BULK

Recommended use of the chemical and restrictions on use

Application Cleaning agent.

Details of the supplier of the safety data sheet

Supplier MICROCARE CORPORATION

Manufacturer MICROCARE CORPORATION
595 John Downey Drive
New Britain, CT 06051
United States of America
CAGE: OATV9
Tel: + 1 800 638 0125, +1 860-827-0626
Fax: +1 860-827-8105
techsupport@microcare.com

Emergency telephone number

Emergency telephone CHEMTREC 1-800-424-9300 (within the U.S.)
+1 703-741-5970 (from anywhere in the world)

2. Hazard(s) identification

Classification of the substance or mixture

OSHA Regulatory Status This Product is Hazardous under the OSHA Hazard Communication Standard.

Physical hazards Flam. Liq. 3 - H226

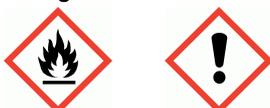
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 STOT SE 3 - H336

Environmental hazards Not Classified

Physicochemical The product is flammable. Vapors may form explosive mixtures with air. Vapors are heavier than air and may travel along the floor and accumulate in the bottom of containers.

Label elements

Pictogram



Signal word

Warning

EPX UNCURED EPOXY CLEANER - BULK

Hazard statements	H226 Flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.
Precautionary statements	P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P240 Ground/ bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P261 Avoid breathing vapor/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P302+P352 If on skin: Wash with plenty of water. P314 Get medical advice/ attention if you feel unwell. P332+P313 If skin irritation occurs: Get medical advice/ attention. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/ container in accordance with national regulations.
Supplemental label information	Safety data sheet available on request. For use in industrial installations only.
Contains	1-ETHOXYPROPAN-2-OL, 1-METHOXY-2-PROPANOL

Other hazards

This product does not contain any substances classified as PBT or vPvB.

3. Composition/information on ingredients

Mixtures

1-propoxypropan-2-ol CAS number: 1569-01-3	30-60%
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2A - H319	
1-ETHOXYPROPAN-2-OL CAS number: 1569-02-4	30-60%
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336	
1-METHOXY-2-PROPANOL CAS number: 107-98-2	10-30%
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336	

The full text for all hazard statements is displayed in Section 16.

EPX UNCURED EPOXY CLEANER - BULK

Composition comments TSCA: The ingredients of this product are on the TSCA Inventory. The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of CFR 1900.1200

Composition

4. First-aid measures

Description of first aid measures

General information	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Due to the physical nature of this material it is unlikely that swallowing will occur. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Consult a physician for specific advice.
Skin Contact	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Vapours may cause drowsiness and dizziness. Headache. Irritation of nose, throat and airway.
Ingestion	Due to the physical nature of this material it is unlikely that swallowing will occur. Ingestion of large amounts may cause unconsciousness. May cause nausea, headache, dizziness and intoxication.
Skin contact	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. May cause skin irritation/eczema.
Eye contact	May cause temporary eye irritation. Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

Indication of immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Specific hazards	Combustible Liquid. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids.
-------------------------	---

EPX UNCURED EPOXY CLEANER - BULK

Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Oxides of carbon.
Advice for firefighters	
Protective actions during firefighting	Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapors.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

Environmental precautions

Environmental precautions Avoid release to the environment. Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material.

Methods and material for containment and cleaning up

Methods for cleaning up Warn everybody of potential hazards and evacuate if necessary. If leakage cannot be stopped, evacuate area. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards.

7. Handling and storage

Precautions for safe handling

Usage precautions Do not eat, drink or smoke when using the product. Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapors. Use approved respirator if air contamination is above an acceptable level.

Conditions for safe storage, including any incompatibilities

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

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

Reference to other sections. Store away from incompatible materials (see Section 10).

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

1-METHOXY-2-PROPANOL

EPX UNCURED EPOXY CLEANER - BULK

Long-term exposure limit (8-hour TWA): ACGIH 50 ppm 184 mg/m³

Short-term exposure limit (15-minute): ACGIH 100 ppm 369 mg/m³

A4

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

Additional Occupational Exposure Limits

Ingredient comments WEL = Workplace Exposure Limits

Exposure controls

Protective equipment



Appropriate engineering controls

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

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber. Polyvinyl alcohol (PVA). Viton rubber (fluoro rubber). It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.

Other skin and body protection

Neutral

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.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Clear liquid.
Color	Colorless.
Odor	Mild. Alcoholic.
Odor threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	120 - 150°C/248 - 302°F @ 101.3 kPa
Flash point	41°C/106°F Tag closed cup.
Evaporation rate	No information available.

EPX UNCURED EPOXY CLEANER - BULK

Evaporation factor	No information available.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: N/A Upper flammable/explosive limit: N/A
Vapor pressure	0.62 kPa @ 20°C
Vapor density	4.0
Relative density	No information available.
Bulk density	No information available.
Solubility(ies)	Soluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Oxidizing properties	There are no chemical groups present in the product that are associated with oxidizing properties.
Refractive index	No information available.
Particle size	Not applicable.
Molecular weight	No information available.
Volatility	100%
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	This product contains a maximum VOC content of 860 g/l.

10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Will not polymerize.
Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Strong oxidizing agents. Strong alkalis. Strong mineral acids.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Fire creates: Vapors/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. Toxicological information

Information on toxicological effects

Other health effects	There is no evidence that the product can cause cancer.
-----------------------------	---

EPX UNCURED EPOXY CLEANER - BULK

Inhalation	May cause respiratory system irritation. Vapors may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	Not considered to be a significant hazard due to the small quantities used.
Skin Contact	Product has a defatting effect on skin. May cause skin irritation/eczema.
Eye contact	Irritating to eyes. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.
Acute and chronic health hazards	Keep out of the reach of children.

12. Ecological Information

Ecotoxicity	There are no data on the ecotoxicity of this product.
Toxicity	Not considered toxic to fish.
<u>Persistence and degradability</u>	
Persistence and degradability	There are no data on the degradability of this product.
<u>Bioaccumulative potential</u>	
Bio-Accumulative Potential	No data available on bioaccumulation.
Partition coefficient	No information available.
<u>Mobility in soil</u>	
Mobility	The product is soluble in water.
<u>Other adverse effects</u>	
Other adverse effects	The product contains volatile organic compounds (VOCs) which have a photochemical ozone creation potential.

13. Disposal considerations

Waste treatment methods

General information	When handling waste, the safety precautions applying to handling of the product should be considered. Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Materials such as cleaning rags and paper wipes that are contaminated with flammable liquids may self-ignite after use and should be stored in designated fireproof containers with tight-fitting, self-closing lids. Reuse or recycle products wherever possible.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

General	Requirements for marking and labeling of package varies depending on mode of transport. If uncertain of proper markings and labeling, call MicroCare for assistance.
Road transport notes	Exception Applies: LIQUID CLEANING COMPOUND N.O.S. NOT D.O.T REGULATED PER 49 CFR 173.150 (f)
DOT transport notes	This product is not regulated for road transportation in accordance with 49 CFR Exceptions.
<u>UN Number</u>	

EPX UNCURED EPOXY CLEANER - BULK

UN No. (IMDG) 1993

UN No. (ICAO) 1993

UN proper shipping name**Proper shipping name (TDG)** Not DOT Regulated Per 49 CFR 173.150 (f)**Proper shipping name (IMDG)** UN1993, FLAMMABLE LIQUID, N.O.S. (1-propoxy-2-propanol), 3, PGIII**Proper shipping name (ICAO)** UN1993, FLAMMABLE LIQUID, N.O.S. (1-propoxy-2-propanol), 3, PGIII**Proper shipping name (DOT)** Not DOT Regulated Per 49 CFR 173.150 (f)**Transport hazard class(es)**

TDG class 3

TDG label(s) 3

IMDG Class 3

Packing group

TDG Packing Group III

IMDG packing group III

DOT packing group III

Environmental hazards**Environmentally Hazardous Substance**

No.

Special precautions for user

EmS F-E, S-D

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable. No information required.

15. Regulatory information**US Federal Regulations****SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

Not listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

Not listed.

SARA 313 Emission Reporting

Not listed.

CAA Accidental Release Prevention

Not listed.

EPX UNCURED EPOXY CLEANER - BULK

SARA (311/312) Hazard Categories

Acute
Chronic
Fire

OSHA Highly Hazardous Chemicals

Not listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

Not listed.

California Air Toxics "Hot Spots" (A-I)

1-METHOXY-2-PROPANOL

Present.

California Air Toxics "Hot Spots" (A-II)

Not listed.

California Directors List of Hazardous Substances

Not listed.

Massachusetts "Right To Know" List

1-METHOXY-2-PROPANOL

Present.

Rhode Island "Right To Know" List

1-METHOXY-2-PROPANOL

Present.

Minnesota "Right To Know" List

1-METHOXY-2-PROPANOL

Present.

New Jersey "Right To Know" List

1-METHOXY-2-PROPANOL

Present.

Pennsylvania "Right To Know" List

1-METHOXY-2-PROPANOL

Present.

Inventories

US - TSCA

Yes

1-propoxypropan-2-ol

Present.

1-METHOXY-2-PROPANOL

Present.

16. Other information

EPX UNCURED EPOXY CLEANER - BULK

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	6/8/2018
Revision	25
Supersedes date	6/8/2018
SDS No.	BULK - EPX
SDS status	Approved.
Hazard statements in full	H226 Flammable liquid and vapor. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

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.