

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product Identifier** **EPO-TEK OG142-87**
 GHS Product Identifier **EPO-TEK OG142-87**
 Chemical Name Not applicable
 Trade Name **EPO-TEK OG142-87**
 CAS No. Mixture
 EINECS No. Mixture
 REACH Registration No. Not available
- 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**
 Identified Use(s)
 Uses Advised Against Users are recommended to seek further advice.
- 1.3 Details of The Supplier of the Safety Data Sheet**
 Company Identification **Epoxy Technology, Inc.**
 Address **14 Fortune Drive, Billerica MA 01821 USA**
 Telephone **(978) 667-3805**
 E-Mail (Competent Person) techserv@epotek.com
- 1.4 Emergency Telephone Number – ChemTel Inc.**
Emergency Phone No. (800) 255-3924, (813) 248-0585



SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the Substance or Mixture**
- 2.1.1 Regulation (EC) No. 1272/2008 (CLP) – None**
- 2.1.2 Directive 67/548/EEC & Directive 1999/45/EC – None**
- 2.2 Label Elements**
- 2.2.1 Label Elements According to Regulation (EC) No. 1272/2008 (CLP)**
 GHS Product Identifier (EU)

Hazard	None	Signal Word(s)	None
Pictogram(s)			
Hazard Statement(s)	None		
Precautionary Statement(s)	None		
- 2.2.2 Label Elements According to Directive 67/548/EEC & Directive 1999/45/EC**
 Hazard Symbol
 Risk Phrases None
 Safety Phrases None
- 2.3 Other Hazards** **GHS Classification (USA): Not Hazardous under OSHA Hazard Communication Standard. HMIS: Health-2, Flammability-1, Reactivity – 1**
WHMIS Classification (Canada): Not Hazardous under WHMIS
- 2.4 Additional Information** **None**

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

EC Classification No. 1272/2008/EC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Pictogram(s) and Hazard Statement(s)
None reportable	>90	NR	NR	NA	None Listed

EC Classification No. 67/548/EEC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Pictogram(s) and Hazard Statement(s)
None reportable	>90	NR	NR	NA	None Listed

3.3 Additional Information

- For full text of H phrases see section 16. For full text of R phrases see section 16. Non-Hazardous ingredients are not listed and make up the balance of the product.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Inhalation	Remove patient from exposure. Keep patient at rest and give oxygen if breathing difficult. If symptoms develop, obtain medical attention.
Skin Contact	Remove contaminated clothing immediately and drench affected skin with plenty of water, then wash with soap and water. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Remove any contact lenses. Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do not induce vomiting. Make victim drink plenty of water. Get immediate medical attention.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Acute: Ingestion may cause irritation of the gastrointestinal tract.

Delayed and Chronic Effects: Similar to acute exposures.

4.3 Indication of The Immediate Medical Attention and Special Treatment Needed

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Combustible but not readily ignited. Acrid smoke. Flash Point > 118°C / 244°F.

5.1 Extinguishing Media

Suitable Extinguishing Media	Extinguish preferably with dry chemical, foam or water spray.
Unsuitable Extinguishing Media	None known.

5.2 Special Hazards Arising From The Substance Or Mixture

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

5.3 Advice For Fire-Fighters

Extinguish preferably with dry chemical, foam or water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | | |
|-----|--|--|
| 6.1 | Personal Precautions, Protective Equipment and Emergency Procedures | Ensure full personal protection (including respiratory protection) during removal of spillages. |
| 6.2 | Environmental Precautions | Ventilation recommended. |
| 6.3 | Methods and Material For Containment and Cleaning Up | Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. |
| 6.4 | Reference To Other Sections | See Also Section 7, 8, 10, 13. |
| 6.5 | Additional Information | None |

SECTION 7: HANDLING AND STORAGE

- | | | |
|-----|---|---|
| 7.1 | Precautions For Safe Handling | Avoid ingestion. Use only in well-ventilated areas. Avoid inhalation of high concentrations of vapors. Keep away from oxidizing agents. Keep away from fire, sparks and heated surfaces - no smoking. |
| 7.2 | Conditions For Safe Storage, Including Any Incompatibilities | Protect from sunlight. Store in a well-ventilated place. Do not use or store near heat or open flame. Do not store and transport with oxidizers etc. |
| | Storage Temperature | Ambient. |
| | Storage Life | Not available |
| | Incompatible Materials | Oxidizing agents |
| 7.3 | Specific End Use(s) | Consult the supplier. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational Exposure Limits

Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
No occupational exposure limits have been established for this product or any listed components.						

8.1.2 Biological Limit Value





Limit Value Type (Country Of Origin)	Substance	CAS No.	Biological Limit Value	Note:
USA	None	None	None	None

8.1.3 PNECs and DNELs

DNEL	Oral	Inhalation	Dermal
Industry - Long Term – Local effects	NA	NA	NA
Industry - Long Term - Systemic effects	NA	NA	NA
Industry - Short term - Local effects	NA	NA	NA
Industry - Short term - Systemic effects	NA	NA	NA

Professional - Long Term - Local effects	NA	NA	NA
Professional - Long Term - Systemic effects	NA	NA	NA
Professional - Short term - Local effects	NA	NA	NA
Professional - Short term - Systemic effects	NA	NA	NA
Consumer - Long Term - Local effects	NA	NA	NA
Consumer - Long Term - Systemic effects	NA	NA	NA
Consumer - Short term - Local effects	NA	NA	NA
Consumer - Short term - Systemic effects	NA	NA	NA
PNEC			
Aquatic Compartment	Not available		
Terrestrial Compartment	Not available		
Atmospheric Compartment	Not available		

8.2.2 Personal Protection Equipment

	Respirators	Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.
	Eye Protection	Safety glasses.
	Gloves	Wear protective gloves.
	Body Protection	Wear suitable protective clothing and gloves. Wear chemical resistant apron.
	Engineering Controls	Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapors.
	Other	Remove contaminated, saturated clothing immediately. Contaminated clothing should be thoroughly cleaned.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

Appearance	Liquid	Color	Clear/ Colorless
Odor	Mild / Slight	Odor Threshold (ppm)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available	Boiling Point/Boiling Range (°C)	Not available
Flash Point (°C)	118°F / 244°C	Explosive Limit Ranges	Not available
Auto Ignition Temperature (°C)	Not available	Decomposition Temperature (°C)	Not available
Explosive Properties	Not available	Oxidizing Properties	Not available
Flammability (Solid, Gas)	Not available	pH (Value)	Not available
Evaporation Rate	< Butyl Acetate	Vapor Pressure (mm Hg)	Not available
Vapor Density (Air=1)	Not available	Density (g/ml)	1.17
Solubility (Water)	Insoluble in water.	Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available	Viscosity (mPa.s)	Not available

9.2 Other Information Volatile Organic Chemical (VOC) Content – Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity Slight

10.2 Chemical Stability Stable under normal conditions.

- 10.3 Possibility Of Hazardous Reactions** Can react violently if in contact with - oxidizing agents, acids, alkalis.
- 10.4 Conditions To Avoid** Avoid contact with heat and ignition sources.
- 10.5 Incompatible Materials** Oxidizing agents, acids, alkalis.
- 10.6 Hazardous Decomposition Product(s)** Carbon monoxide, carbon dioxide, other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

SUBSTANCE.	CAS No.	LD ₅₀ (Oral, Rat)	LC ₅₀ (Inhalation, Rat)	LD50 (Dermal, Rat)
None Reportable	NR	NR	NR	NR

11.1 Information On Toxicological Effects

11.1.2 Mixtures

Acute Toxicity	Not acutely toxic.
Irritation	Not to be expected.
Corrosivity	Not to be expected.
Sensitization	No data.
Repeated Dose Toxicity	No data.
Carcinogenicity	No data.
Mutagenicity	No data.
Toxicity For Reproduction	No data.

11.2 Other Information None

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity** No data
- 12.2 Persistence and Degradability** No data
- 12.3 Bioaccumulative Potential** No data
- 12.4 Mobility In Soil** No data
- 12.5 Results Of PBT and vPvB Assessment** No data
- 12.6 Other Adverse Effects** No data

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste Treatment Methods** Disposal should be in accordance with local, state or national legislation. Containers must not be punctured or destroyed by burning, even when empty.

13.2 Additional Information

None

SECTION 14: TRANSPORT INFORMATION
Land Transport (ADR/RID) (c)(d)

UN Number

Proper Shipping Name Not classified as
dangerous for transport.

Transport Hazard Class(es) None
Packing Group None
Hazard Label(s) None
Environmental Hazards None
Special Precautions For User None

Sea Transport (IMDG) (c)(d)

UN Number

Proper Shipping Name Not classified as
dangerous for transport.

Transport Hazard Class(es) None
Packing Group None
Marine Pollutant None
Special Precautions For User None

Land Transport (Within USA) (c)(d)

UN Number

Proper Shipping Name Not classified as dangerous for
transport.

Transport Hazard Class(es) None
Packing Group None
Hazard Label(s) None
Environmental Hazards None
Special Precautions For User None

Air Transport (ICAO/IATA) (c)(d)

UN Number

Proper Shipping Name Not classified as dangerous for
transport.

Transport Hazard Class(es) None
Packing Group None
Marine Pollutant None
Special Precautions For User None

*(c)– Consult with transport provider.**(d)– Check relevant regulations for Special Provisions.***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
SECTION 15: REGULATORY INFORMATION
15.1 Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture**15.1.1 EU Regulations**

Authorizations And/Or
Restrictions On Use

Consult the supplier.

European Union
(EINECS/ELINCS)

All chemicals listed.

German WGK Number

Not Applicable.

15.1.2 National Regulations**USA**

TSCA (Toxic Substance Control Act)

All chemicals listed.

SARA 311/312 - Hazard Categories

Acute Health

SARA 302 - Extremely Hazardous
Substances

Listed. - None

SARA 313 - Toxic Chemicals

Contains: None

CERCLA (Comprehensive
Environmental Response

Listed. - None

Compensation and Liability Act)

CAA (Clean Air Act 1990) Listed. – None

CWA (Clean Water Act) Listed. - None

State Right to Know Lists Listed. – None

Proposition 65 (California) Listed. - None

Canada

WHMIS Classification Not Classified under WHMIS.

Canada (DSL/NDL) Listed. - DSL

Canada Ingredient Disclosure List (CIDL) Listed as required.

15.2 Chemical Safety Assessment No Data**15.3 Label Elements (EU)** None required.**SECTION 16: OTHER INFORMATION****The following sections contain revisions or new statements: 1-16.****LEGEND**

ACGIH	American Conference Of Governmental Industrial Hygienists	NA	Not Applicable, Not Available
AICS	Australian Inventory Of Chemical Substances	NIOSH	National Institute For Occupational Safety And Health
ANSI	American National Standards Institute	ND	Not Determined
atm	Atmosphere (Pressure Unit)	NFPA	National Fire Prevention Association
BOD	Biological Oxygen Demand	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OC	Open Cup
CC	Closed Cup	OSHA	Occupational Safety And Health Administration
CDTA	Chemical Drug And Trafficking Act	Part	Partition
COC	Cleveland Open Cup	PEL	Permissible Exposure Limits
COD	Chemical Oxygen Demand	ppb	Parts Per Billion
coeff.	Coefficient	PPE	Personal Protective Equipment
CFR	Code Of Federal Regulations	ppm	Parts Per Million
CPR	Cardio-Pulmonary Resuscitation	psi	Pounds Per Square Inch
DEA	Drug Enforcement Agency	RCRA	Resource Conservation And Recovery Act
DOT	Department Of Transportation	RQ	Reportable Quantity
DSCL	Dangerous Substances Classification And Labeling	RTK	Right To Know
EEC	European Economic Community	SARA	Superfund Amendments And Reauthorization Act
FDA	Food And Drug Administration	STEL	Short-Term Exposure Limit
HMIS	Hazardous Materials Information System	SUSDP	Standard For The Uniform Scheduling Of Drugs And Poisons (Australia)
IARC	International Agency For Research On Cancer	TCC	Tagliabue Closed Cup
IDLH	Immediate Danger To Life Or Health	TDG	Transportation Of Dangerous Goods
kg	Kilogram	TPQ	Threshold Planning Quantity
L	Liter	TQ	Threshold Quantity
LC ₅₀	Median Lethal Concentration	TSCA	Toxic Substances Control Act
LD ₅₀	Median Lethal Dose	TWA	Time-Weighted Average
LEL	Lower Explosive Limit	UEL	Upper Explosive Limit
mg	Milligram	WES	Workplace Exposure Standard (New Zealand)
mL	Milliliter	WHMIS	Workplace Hazardous Material Information System

References: RTECS, CAS Registry, EINECS/ESIS, *Casarett & Doull's Toxicology*, *Goldfrank's Toxicological Emergencies*, Manufacturer Information

Risk Phrases and Safety Phrases

None

Hazard Statement(s) and Precautionary Statement(s)

None

Training Advice: None**Additional Information:** None

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