



SAFETY DATA SHEET
EPO-TEK 920 Part A

1. IDENTIFICATION

<u>Product Name</u>	EPO-TEK 920 Part A
<u>Product No.</u>	EPO-TEK 920 Part A
<u>Identification No.</u>	UN3082
<u>Supplier</u>	Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA (978) 667-3805 (978) 663-9782
<u>Emergency Telephone</u>	(800) 255-3924

2. HAZARD(S) IDENTIFICATION

<u>Appearance</u>	Opaque Paste
<u>Odor</u>	Mild.
<u>GHS Pictogram</u>	



Signal Word Warning

Hazard Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary Statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313	Get medical advice/attention.
P501	Dispose of contents/container in accordance with local regulations.

Contains

Bisphenol A Diglycidyl Ether Resin

GHS Classification

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317
Environment	Aquatic Chronic 3 - H412

Inhalation

Gas or vapor in high concentrations may irritate respiratory system.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Irritating to skin. May cause sensitization by skin contact.

Eye Contact

Irritating to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Bisphenol A Diglycidyl Ether Resin	10-30%
CAS No.: 25085-99-8	EC No.:
GHS Classification Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Aquatic Chronic 2 - H411	
Reactive Diluent	5-10%
CAS No.: Proprietary	EC No.: Proprietary
GHS Classification Acute Tox. 4 - H312; Acute Tox. 4 - H332; Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317	

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation

Fresh air and rest. Get medical attention if any discomfort continues.

Ingestion

Get medical attention.

Skin Contact

Remove contaminated clothing immediately and wash skin with soap and water.

Eye Contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring these instructions.

Most important symptoms and effects, both acute and delayed

Skin Contact

Skin irritation. Allergic rash.

Eye Contact

Irritation of eyes and mucous membranes.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

Treat Symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Extinguish with foam, carbon dioxide or dry powder.

Hazardous combustion products

Carbon monoxide (CO). Carbon dioxide (CO₂).

Protective Equipment For Fire-Fighters

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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Wear protective clothing as described in Section 8 of this material safety data sheet.

Environmental Precautions

Avoid release to the environment.

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Spill Clean Up Methods

Wear necessary protective equipment. Remove sources of ignition. Absorb with sand or other inert absorbent. Transfer to a container for disposal.

7. HANDLING AND STORAGE

Handling

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Do not eat, drink or smoke when using the product. Keep away from heat, sparks and open flame.

Storage

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment



Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

Suitable respiratory protection must be used at high concentrations.

Hand Protection

Protective gloves and goggles must be used if there is a risk of direct contact or splash. Neoprene gloves are recommended.

Eye Protection

Wear goggles/face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance</u>	Opaque Paste
<u>Odor</u>	Mild.
<u>Solubility</u>	Slightly soluble in water.
<u>Evaporation rate</u>	<BuAc

10. STABILITY AND REACTIVITY

Reactivity

Reaction with: Oxidizing materials. Strong reducing agents.

Stability

Stable under normal temperature conditions.

Conditions To Avoid

Avoid contact with oxidizers or reducing agents. Avoid heat, flames and other sources of ignition.

Materials To Avoid

Strong oxidizing substances. Strong reducing agents.

EPO-TEK 920 Part A

Hazardous Decomposition Products

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

11. TOXICOLOGICAL INFORMATION

Toxicological Information on Ingredients:

Reactive Diluent (CAS: Proprietary)

Toxic Dose 1 - LD 50

1,163 mg/kg (oral, rat)

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

14. TRANSPORT INFORMATION

<u>UN No. (DOT/TDG)</u>	UN3082
<u>UN No. (IMDG)</u>	3082
<u>UN No. (ICAO)</u>	3082
<u>DOT Proper Shipping Name</u>	Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Diglycidyl Ether Resin)
<u>TDG Proper Shipping Name</u>	Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Diglycidyl Ether Resin)

DOT Hazard Class

9

TDG Class

9

IMDG Class

9

ICAO Class

9

Transport Labels



DOT Pack Group III

TDG Pack Group III

IMDG Pack Group III

Air Pack Group III

Environmentally Hazardous Substance/Marine Pollutant



15. REGULATORY INFORMATION

EPO-TEK 920 Part A

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

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

None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

None of the ingredients are listed.

CAA Accidental Release Prevention

None of the ingredients are listed.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

WARNING: This product contains a substance known to the State of California to cause cancer and/or reproductive harm.

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

The following ingredients are listed.

Contains a component that, in the form of respirable dust, is considered by the State of CA to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

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

None of the ingredients are listed.

Massachusetts "Right To Know" List

The following ingredients are listed.

Contains a component that, in the form of respirable dust, is considered by the State of MA to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

Rhode Island "Right To Know" List

The following ingredients are listed.

Contains a component that, in the form of respirable dust, is considered by the State of RI to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

Minnesota "Right To Know" List

The following ingredients are listed.

Contains a component that, in the form of respirable dust, is considered by the State of MN to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

New Jersey "Right To Know" List

The following ingredients are listed.

Contains a component that, in the form of respirable dust, is considered by the State of NJ to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

Pennsylvania "Right To Know" List

The following ingredients are listed.

Contains a component that, in the form of respirable dust, is considered by the State of PA to be dangerous to health by prolonged exposure through inhalation. This component is not present in a respirable form in this product.

International Inventories

EU - EINECS/ELINCS

At least one ingredient is not listed.

Canada – DSL/NDSL

All ingredients are listed or exempt.

US - TSCA

All ingredients are listed or exempt.

US – TSCA 12(b) Export Notification

None of the ingredients are listed.

Australia - AICS

All ingredients are listed or exempt.

Japan – MITI

At least one ingredient is not listed.

Korea - KECI

All ingredients are listed or exempt.

China - IECSC

All ingredients are listed or exempt.

Philippines – PICCS

All ingredients are listed or exempt.

16. OTHER INFORMATION

Revision Date 20 March 2014

Revision 1

Disclaimer

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Epoxy Technology, Inc. gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Epoxy Technology, Inc. accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.



SAFETY DATA SHEET EPO-TEK 920 Part B

1. IDENTIFICATION

<u>Product Name</u>	EPO-TEK 920 Part B
<u>Product No.</u>	EPO-TEK 920 Part B
<u>Identification No.</u>	UN3267
<u>Supplier</u>	Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA (978) 667-3805 (978) 663-9782
<u>Emergency Telephone</u>	(800) 255-3924

2. HAZARD(S) IDENTIFICATION

<u>Appearance</u>	Liquid
<u>Color</u>	Amber.
<u>Odor</u>	Slight odor.
<u>GHS Pictogram</u>	



<u>Signal Word</u>	Danger
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Hazard Statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H361d	CLP only - Suspected of damaging the unborn child.

Precautionary Statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P501	Dispose of contents/container in accordance with local regulations.

Contains

Imidazole
Substituted Imidazole

GHS Classification

Physical and Chemical Hazards	Not classified.
Human health	Acute Tox. 4 - H302; Skin Corr. 1B - H314; Repr. 2 - H361d
Environment	Not classified.

Inhalation

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Ingestion

Harmful if swallowed.

Skin Contact

Causes burns.

EPO-TEK 920 Part B

Eye Contact

Causes burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Imidazole	30-60%
CAS No.: 288-32-4	EC No.:
GHS Classification Acute Tox. 4 - H302; Skin Corr. 1B - H314; Repr. 2 - H361d	
Substituted Imidazole	60-100%
CAS No.: Proprietary	EC No.: Proprietary
GHS Classification Acute Tox. 4 - H302; Eye Dam. 1 - H318	

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

Ingestion

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Remove victim immediately from source of exposure. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

Skin Contact

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

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 promptly if symptoms occur after washing.

Most important symptoms and effects, both acute and delayed

Ingestion

May cause chemical burns in mouth and throat.

Skin Contact

Burns can occur.

Eye Contact

Extreme irritation of eyes and mucous membranes, including burning and tearing.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

Treat Symptomatically.

5. FIRE-FIGHTING MEASURES

Flash point (°C) 93

Extinguishing Media

Water spray, carbon dioxide, dry powder or polar resistant foam.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use protective gloves, goggles and suitable protective clothing.

EPO-TEK 920 Part B

Environmental Precautions

Avoid release to the environment.

Spill Clean Up Methods

Collect in containers and seal securely.

7. HANDLING AND STORAGE

Handling

Avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment.

Storage

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment



Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand Protection

Use protective gloves.

Eye Protection

Wear approved safety goggles.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance</u>	Liquid
<u>Color</u>	Amber.
<u>Odor</u>	Slight odor.
<u>Solubility</u>	Slightly soluble in water.
<u>Bulk Density</u>	1.02 kg/m ³
<u>Vapor density (air=1)</u>	>1
<u>Evaporation rate</u>	<BuAc
<u>Flash point (°C)</u>	93

10. STABILITY AND REACTIVITY

EPO-TEK 920 Part B

Stability

Stable under normal temperature conditions.

Conditions To Avoid

Avoid contact with acids and oxidizing substances.

Hazardous Decomposition Products

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

11. TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation:

Corrosive to skin.

Serious eye damage/irritation:

Corrosive to eyes.

Reproductive Toxicity:

CLP only - Suspected of damaging fertility.

12. ECOLOGICAL INFORMATION

Degradability

The product is potentially degradable.

Bioaccumulative potential

The product contains potentially bio-accumulating substances.

Mobility:

Semi-mobile.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

14. TRANSPORT INFORMATION

<u>Road Transport Notes</u>	Not Classified
<u>Rail Transport Notes</u>	Not classified.
<u>Sea Transport Notes</u>	Not classified.
<u>Air Transport Notes</u>	Not classified.
<u>UN No. (DOT/TDG)</u>	UN3267
<u>UN No. (IMDG)</u>	3267
<u>UN No. (ICAO)</u>	3267
<u>DOT Proper Shipping Name</u>	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Imidazole)
<u>TDG Proper Shipping Name</u>	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Imidazole)
<u>DOT Hazard Class</u>	
8	
<u>DOT Hazard Label</u>	
Corrosive	
<u>TDG</u>	<u>Class</u>
	8
<u>TDG</u>	<u>Label(s)</u>
	8
<u>IMDG</u>	<u>Class</u>
	8
<u>ICAO</u>	<u>Class</u>
	8

Transport Labels

DOT Pack Group III

IMDG Pack Group III

Air Pack Group III

Environmentally Hazardous Substance/Marine Pollutant
No.

EMS F-A, S-B

15. REGULATORY INFORMATION

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

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

None of the ingredients are listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

None of the ingredients are listed.

CAA Accidental Release Prevention

None of the ingredients are listed.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

WARNING: This product contains a substance known to the State of California to cause cancer and/or reproductive harm

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

None of the ingredients are listed.

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

None of the ingredients are listed.

Massachusetts "Right To Know" List

None of the ingredients are listed.

Rhode Island "Right To Know" List

None of the ingredients are listed.

Minnesota "Right To Know" List

None of the ingredients are listed.

New Jersey "Right To Know" List

None of the ingredients are listed.

