Revision Date 05/29/2015

Revision 1

SAFETY DATA SHEET
EPO-TEK OE132-43

1. IDENTIFICATION

Product Name	EPO-TEK OE132-43
Product No.	EPO-TEK OE132-43
Identification No.	UN1760
Identified uses	Adhesive.
Supplier	Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA www.epotek.com (978) 667-3805 (978) 663-9782
Emergency Telephone	(800) 255-3924

2. HAZARD(S) IDENTIFICATION

Appearance	Liquid
Color	Colourless to pale yellow.
Odor	Mild.

GHS Pictogram

Signal Word	Danger

Hazard Statements

H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.

Precautionary Statements

P271	Use only outdoors or in a well-ventilated area.
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.
P310	Immediately call a POISON CENTER or doctor/physician.
P501	Dispose of contents/container in accordance with local regulations.

GHS Classification

Physical and Chemical Hazards	Not classified.
Human health	Acute Tox. 4 - H312;Acute Tox. 4 - H332;Skin Corr. 1B - H314
Environment	Not classified.

Inhalation

Harmful by inhalation.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Causes burns. Harmful in contact with skin.

Eye Contact

Causes burns.

3. COMPOSITION/INFORMATION ON INGREDIENTS

2-Pyrrolidinone,1-(2-hydroxyethyl)-	1-5%
CAS No.: 3445-11-2	EC No.:
GHS Classification	
Skin Irrit. 2 - H315; Eye Irrit. 2 - H319	

Diluent	60-100%
CAS No.: Proprietary	EC No.: Proprietary
GHS Classification	
Acute Tox. 4 - H312; Acute Tox. 4 - H332; Skin Corr. 1B - H314; Eye Dam. 1 - H318	

Polyimide Polymer	5-10%
CAS No.: Proprietary	EC No.: Proprietary
GHS Classification	
Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; STOT SE 3 - H335	

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation

Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention immediately!

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye Contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

Most important symptoms and effects, both acute and delayed

Inhalation

Vapors may cause headache, fatigue, dizziness and nausea. Irritation of nose, throat and airway.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Severe irritation. May cause serious chemical burns to the skin.

Eye Contact

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

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

Fire can be extinguished using: Dry chemicals. Foam. Carbon dioxide (CO2).

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

Specific Hazards

In case of fire, toxic gases may be formed (COx, NOx).

Special Fire Fighting Procedures

Avoid breathing fire vapors. Water spray should be used to cool containers.

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.

Spill Clean Up Methods

DO NOT TOUCH SPILLED MATERIAL! Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

Reference to other sections

For personal protection, see section 8.

7. HANDLING AND STORAGE

Handling

Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Observe good chemical hygiene practices. Provide good ventilation. Do not handle broken packages without protective equipment.

Storage

Store at moderate temperatures in dry,well ventilated area.

Storage Class

Corrosive storage.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment

Process Conditions

Provide eyewash, quick drench.

Engineering Measures

Provide adequate general and local exhaust ventilation.

Respiratory Equipment

If ventilation is insufficient, suitable respiratory protection must be provided.

Hand Protection

Use protective gloves made of: Impermeable material.

Eye Protection

Wear tight-fitting goggles or face shield.

Other Protection

Wear appropriate clothing to prevent any possibility of skin 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

Appearance	Liquid
Color	Colourless to pale yellow.
Odor	Mild.
Solubility	Slightly soluble in water.
Vapor density (air=1)	>1
Evaporation rate	>BuAc
Flash point (°C)	>93

10. STABILITY AND REACTIVITY

Reactivity

Reaction with: Acids. Strong oxidizing agents. Strong reducing agents.

Stability

Stable under normal temperature conditions.

Hazardous Polymerisation

Will not polymerise.

Conditions To Avoid

Avoid excessive heat for prolonged periods of time.

Materials To Avoid

Strong acids. Strong oxidizing substances. Strong reducing agents.

Hazardous Decomposition Products

In case of fire, toxic gases (CO, CO2, NOx) may be formed.

11. TOXICOLOGICAL INFORMATION

Toxicological Information on Ingredients:

Polyimide Polymer (CAS: Proprietary)

Toxic Dose 1 - LD 50

2, 700 mg/kg (oral, rat)

Toxic Dose 2 - LD 50

3, 100 mg/kg (dermal, rat)

Diluent (CAS: Proprietary)

Toxic Dose 1 - LD 50

1, 600 mg/kg (dermal, rabbit)

12. ECOLOGICAL INFORMATION

Ecotoxicity

There are no data on the ecotoxicity of this product.

Acute Toxicity - Fish

Not known.

Degradability

No data available.

Bioaccumulative potential

No data available on bioaccumulation.

Mobility:

The product has poor water-solubility.

Other adverse effects

Not known.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

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

14. TRANSPORT INFORMATION

UN No. (DOT/TDG)	UN1760
UN No. (IMDG)	1760
UN No. (ICAO)	1760
DOT Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (Diluent)
TDG Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (Diluent)

DOT Hazard Class

8

DOT Hazard Label

Corrosive

TDG Class	8
TDG Label(s)	8
IMDG Class	8
ICAO Class	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

None of the ingredients are listed.

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.

Pennsylvania "Right To Know" List

None of the ingredients are listed.

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

None of the ingredients are listed.

Japan – MITI

At least one ingredient is not listed.

Korea - KECI

At least one ingredient is not listed.

China - IECSC

At least one ingredient is not listed.

Philippines – PICCS

At least one ingredient is not listed.

16. OTHER INFORMATION

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