Revision Date 04/10/2015 Revision 1



# SAFETY DATA SHEET EPO-TEK EM127

Product No.       EPO-TEK EM127         deantification No.       U33082         identified uses       Adhesive.         Supplier       Epory Technology, Inc.         Hiefman, MA 01821       USA         USA       Www.epolek.com         (978) 667-3805       (978) 667-3805         (978) 667-3805       (978) 667-3805         (978) 667-3805       (978) 667-3805         (978) 667-3805       (978) 667-3805         (978) 667-3805       (900) 255-3924         Paterance       Paste         Color       Silver.         Odar       Mild.         HSP Pictogram       Varing         Hazard Statements       H315         H315       Causes skin initiation.         H319       Causes serious yei initiation.         H3	1. IDENTIFICATION		
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Supplier       Epsy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA www.eptelk.com (978) 667-3805 (978) 663-9782         Emergency Telephone       (800) 255-3924         J. HAZARD(S) IDENTIFICATURE (800) 255-3924       Intermediate Contention (978) 677-3805         J. HAZARD(S) IDENTIFICATURE (800) 255-3924       Intermediate Contention (978) 677-3805         J. HAZARD(S) IDENTIFICATURE (800) 255-3924       Intermediate Contention (978) 677-3805         J. HAZARD (S) IDENTIFICATURE (800) 255-3924       Intermediate Contention (978) 677-3805         J. HAZARD (S) IDENTIFICATURE (800) 255-3924       Intermediate Contention (978) 677-3805         Odd       Silver, Odd       Intermediate Contention (978) 677-3805         Good       Mit       Intermediate Contention (978) 677-3805         Signal Word       Warning       Marcase an allergic skin reaction. H319         Hazard Statements       H315       Causes skin initation. H317         H317       May cause an allergic skin reaction. H318       Cause (168 with long lasting effects. H317         Precautionary Statements       P273       Andia release to the environment. P305+331-338       Intermediate Contention (978) 678-6784         P281       Use personal protective equipyment as required. P305+331-338       Intermediate Avice/Attention. P313       Every posed or concerned: Cell medical advice/attention. P313       Every posed or concerned: Cell medical advice/attention. P313	Identification No.	UN3082	
14 Fortune Drive       Billerica, MO 1821         USA       www.eptek.com         (97) 667-3005       (97) 663-3782         Emergency Telephone       (98) 0255-3392.4         2. HAZARD(S) IDENTIFICATION       Silver.         Appearance       Paste         Color       Silver.         Odar       Mild.         SHS Pictogram       Silver.         Signal Word       Warning         Hazard Statements       1315         Facaudi Statements       Causes skin inflaton.         H317       May cause an allergic skin reacton.         H318       Suspected of causing genetic detects.         H410       Very toxic to aquatic life with long lasting effects.         Precautionary Statements       P273       Avoid release to the environment.         P280       Wear protective gioves/protective coloning/espe protection/face protection.         P281       Use personal protective equipment a required.         P305+351+338       If NE VES: Rines cautiously with water for several minutes. Remove contact lenses. if present and easy to do. Continue rinsing.         P305+351+338       If NE VES: Rines cautiously with water for several minutes. Remove contact lenses. if present and easy to do. Continue rinsing.         P305+351+338       If Ne VES: Rines cautiously with water for several minutes. Remove c	Identified uses	Adhesive.	
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Emergency Telephone       (800) 255-3324         AtZARD(S) IDENTIFICATUR       Paste         Color       Silver.         Color       Mile.         Oddor       Mile.         SHS Pictogram       Warning         Hazard Statements       H315         H317       May cause an allergic skin reaction.         H318       Causes skin irritation.         H317       May cause an allergic skin reaction.         H318       Causes serious eye irritation.         H319       Causes serious eye irritation.         H314       Suspected of causing genetic defects.         H410       Very toxic to aquatic life with long lasting effects.         Precautionary Statements       P273       Avoid release to the environment.         P280       Wear protective gloves/protection/face protection/face protection.         P306+313       IF IN EYES. Rinse causiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.         P308+313       IF IN EYES. Rinse causiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.         P308+313       IF IN EYES. Rinse causiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.         P308+313       IF IN EYES. Rinse causiously with water for several minutes.			
2. HAZARD(S) IDENTIFICATION         Appearance       Paste         Color       Silver.         Ddor       Mild.         GHS Pictogram       Image: Color			
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Environment Aquatic Acute 1 - H400;Aquatic Chronic 1 - H410		Physical and Chemical Hazards	Not classified.
Human Health		Environment	Aquatic Acute 1 - H400;Aquatic Chronic 1 - H410
	Human Health		

Contains a substance/a group of substances which may cause harm to the unborn child.

Inhalation
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Gas or vapor in high concentrations may irritate respiratory system.

Ingestion

May cause discomfort if swallowed.

Skin Contact

May cause sensitization by skin contact. Irritating to skin.

Eye Contact

Irritating to eyes.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Accelerator		< 1%
CAS No.: Proprietary	EC No.: Proprietary	
GHS Classification Acute Tox. 4 - H302; Carc. 2 - H351; Aqu	uatic Chronic 1 - H410	
Epoxy Resin Blend		10-30%
CAS No.: Proprietary	EC No.: Proprietary	
GHS Classification Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Sk	tin Sens. 1 - H317; Aquatic Chronic 2 - H411	
Reactive Diluent		10-30%
CAS No.: Proprietary	EC No.: Proprietary	

GHS Classification

Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Resp. Sens. 1 - H334; Skin Sens. 1 - H317; Muta. 2 - H341

## 4. FIRST-AID MEASURES

### Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues. Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

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. Continue to rinse for at least 15 minutes and get medical attention.

Most important symptoms and effects, both acute and delayed

Inhalation

Inhalation of dusts during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Skin irritation. Allergic rash.

#### Eye Contact

#### Irritating and may cause redness and pain.

#### 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.

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** 

Do not discharge onto the ground or into water courses. Avoid release to the environment.

Spill Clean Up Methods

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. Do not contaminate water sources or sewer.

Reference to other sections

For personal protection, see section 8.

### 7. HANDLING AND STORAGE

#### Handling

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

Storage

Store at -40 degrees C. Keep container tightly sealed when not in use.

Storage Class

Chemical storage.

Specific end use(s)

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

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	STD	TWA	(8-hrs)	STEL	(15 min)	Notes
Accelerator	ACGIH		10 mg/m3			A4

ACGIH=American Conference of Governmental Industrial Hygienists. A4: Not Classifiable as a Human Carcinogen.

### Protective Equipment



Process Conditions

Provide eyewash station.

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 goggles/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. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste
Color	Silver.
Odor	Mild.
Solubility	Slightly soluble in water.
Vapor density (air=1)	>1
Evaporation rate	<buac< td=""></buac<>
Flash point (°C)	93

## 10. STABILITY AND REACTIVITY

 Reactivity

 Reaction with: 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 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:

Accelerator (CAS: Proprietary)

 Toxic Dose 1 - LD 50

 1, 017 mg/kg (oral, rat)

 Toxic Dose 2 - LD 50

 >5, 000 mg/kg (dermal, rat)

## EPO-TEK EM127 Reactive Diluent (CAS: Proprietary)

 Toxic Dose 1 - LD 50

 5, 800 mg/kg (oral, rat)

 Toxic Dose 2 - LD 50

 >2, 000 mg/kg (dermal, rabbit)

 Toxic Conc. - LC 50

 1, 220 ppm/4h (inh-rat)

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. <u>Acute Fish Toxicity</u> Very toxic to aquatic organisms. <u>Degradability</u> There are no data on the degradability of this product. <u>Bioaccumulative potential</u> No data available on bioaccumulation. <u>Mobility:</u> The product has poor water-solubility. <u>Other adverse effects</u> 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)	UN3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
DOT Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Silver)
TDG Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Silver)
DOT Hazard Class	
9	
DOT Hazard Label	
Class 9	
TDG Class	9
TDG Label(s)	9
IMDG Class	9
ICAO Class	9
Transport Labels	



DOT Pack Group	Ш
IMDG Pack Group	Ш
Air Pack Group	Ш
Environmentally Hazardous Substance/Marine Pollutant	



EMS

F-A, S-F

# **15. REGULATORY INFORMATION**

## **US Federal Regulations**

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed. <u>CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)</u> The following ingredients are listed. Accelerator; 100 lbs (45.4 Kg) Silver; 1, 000 lbs (454 Kg) <u>SARA Extremely Hazardous Substances EPCRA Reportable Quantities</u> None of the ingredients are listed. <u>SARA 313 Emission Reporting</u> The following ingredients are listed. Accelerator Silver <u>CAA Accidental Release Prevention</u> None of the ingredients are listed. <u>OSHA Highly Hazardous Chemicals</u> 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. Silver California Air Toxics "Hot Spots" (A-II) None of the ingredients are listed. Massachusetts "Right To Know" List The following ingredients are listed. Accelerator Silver Rhode Island "Right To Know" List The following ingredients are listed. Accelerator Silver Minnesota "Right To Know" List The following ingredients are listed. Accelerator

Silver

New Jersey "Right To Know" List	
The following ingredients are listed.	
Accelerator	
Silver	
Pennsylvania "Right To Know" List	
The following ingredients are listed.	
Accelerator	
Silver	
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	
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