

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : EPO-TEK® OM125 PART A

#### 1.2. Recommended use and restrictions on use

Recommended use : Adhesives  
Restrictions on use : Not to be used for any purpose other than the one the product was designed for

#### 1.3. Supplier

Epoxy Technology, Inc.  
14 Fortune Drive  
Billerica, MA 01821  
USA  
T 978-667-3805 - F 978-663-9782  
[www.epotek.com](http://www.epotek.com)

#### 1.4. Emergency telephone number

Emergency number : VelocityEHS: +1 (800) 255-3924, +1 (813) 248-0585

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|                                                                  |      |                                                 |
|------------------------------------------------------------------|------|-------------------------------------------------|
| Skin corrosion/irritation Category 2                             | H315 | Causes skin irritation                          |
| Serious eye damage/eye irritation Category 2                     | H319 | Causes serious eye irritation                   |
| Skin sensitization, Category 1                                   | H317 | May cause an allergic skin reaction             |
| Hazardous to the aquatic environment – Chronic Hazard Category 2 | H411 | Toxic to aquatic life with long lasting effects |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Warning

Hazard statements (GHS US)

: H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (GHS US)

: P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

# EPO-TEK® OM125 PART A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P321 - Specific treatment (see supplemental first aid instruction on this label).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P363 - Wash contaminated clothing before reuse.  
P391 - Collect spillage.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Harmful dust may be released during cutting, milling or grinding process.

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                               | Product identifier  | %   | GHS US classification                                                                      |
|------------------------------------|---------------------|-----|--------------------------------------------------------------------------------------------|
| Bisphenol A diglycidyl ether resin | CAS-No.: 25085-99-8 | 100 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |

Comments : Components not listed are either non-hazardous or are below reportable limits.  
\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret  
Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Eye irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

# EPO-TEK® OM125 PART A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.  
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

# EPO-TEK® OM125 PART A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### EPO-TEK® OM125 PART A

No additional information available

### Bisphenol A diglycidyl ether resin (25085-99-8)

No additional information available

## 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

## 8.3. Individual protection measures/Personal protective equipment

### Hand protection:

Wear suitable gloves resistant to chemical penetration. Neoprene or nitrile rubber gloves. Butyl-rubber protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Refer to manufacturer's information. Gloves must be replaced after each use and whenever signs of wear or perforation appear

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Physical state                                  | : Liquid            |
| Color                                           | : Clear             |
| Odor                                            | : Mild odour        |
| Odor threshold                                  | : No data available |
| pH                                              | : No data available |
| Melting point                                   | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Relative evaporation rate (butyl acetate=1)     | : No data available |
| Flammability (solid, gas)                       | : Not applicable.   |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |

# EPO-TEK® OM125 PART A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                      |                     |
|----------------------|---------------------|
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic   | : No data available |
| Explosion limits     | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Bisphenol A diglycidyl ether resin (25085-99-8) |                                                 |
|-------------------------------------------------|-------------------------------------------------|
| LD50 oral rat                                   | > 2000 mg/kg (Rat, Literature study, Oral)      |
| LD50 dermal rabbit                              | > 5000 mg/kg (Rabbit, Literature study, Dermal) |

|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| Skin corrosion/irritation           | : Causes skin irritation.                          |
| Serious eye damage/irritation       | : Causes serious eye irritation.                   |
| Respiratory or skin sensitization   | : May cause an allergic skin reaction.             |
| Germ cell mutagenicity              | : Not classified                                   |
| Carcinogenicity                     | : Not classified                                   |
| Reproductive toxicity               | : Not classified                                   |
| STOT-single exposure                | : Not classified                                   |
| STOT-repeated exposure              | : Not classified                                   |
| Aspiration hazard                   | : Not classified                                   |
| Viscosity, kinematic                | : No data available                                |
| Symptoms/effects after skin contact | : Irritation. May cause an allergic skin reaction. |

# EPO-TEK® OM125 PART A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Symptoms/effects after eye contact : Eye irritation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

#### 12.2. Persistence and degradability

##### Bisphenol A diglycidyl ether resin (25085-99-8)

Not rapidly degradable

|                               |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |
|-------------------------------|-------------------------------------|

#### 12.3. Bioaccumulative potential

##### Bisphenol A diglycidyl ether resin (25085-99-8)

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.242 (Literature) |
|-------------------------------------------------|--------------------|

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
|---------------------------|--------------------------------------------------|

#### 12.4. Mobility in soil

##### Bisphenol A diglycidyl ether resin (25085-99-8)

|                |                                     |
|----------------|-------------------------------------|
| Ecology - soil | Low potential for mobility in soil. |
|----------------|-------------------------------------|

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT                                                                                       | TDG                                                                                      | IMDG                                                                                     | IATA                                                                                     |
|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <b>14.1. UN number</b>                                                                    |                                                                                          |                                                                                          |                                                                                          |
| 3082                                                                                      | UN3082                                                                                   | 3082                                                                                     | 3082                                                                                     |
| <b>14.2. Proper Shipping Name</b>                                                         |                                                                                          |                                                                                          |                                                                                          |
| Environmentally hazardous substances, liquid, n.o.s. (Bisphenol A diglycidyl ether resin) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A diglycidyl ether resin) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A diglycidyl ether resin) | Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A diglycidyl ether resin) |
| <b>14.3. Transport hazard class(es)</b>                                                   |                                                                                          |                                                                                          |                                                                                          |
| 9                                                                                         | 9                                                                                        | 9                                                                                        | 9                                                                                        |

# EPO-TEK® OM125 PART A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| DOT                                                                               | TDG                                                                               | IMDG                                                                               | IATA                                                                                |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |
| <b>14.4. Packing group</b>                                                        |                                                                                   |                                                                                    |                                                                                     |
| III                                                                               | III                                                                               | III                                                                                | III                                                                                 |
| <b>14.5. Environmental hazards</b>                                                |                                                                                   |                                                                                    |                                                                                     |
| Dangerous for the environment: Yes                                                | Dangerous for the environment: Yes                                                | Dangerous for the environment: Yes<br>Marine pollutant: Yes                        | Dangerous for the environment: Yes                                                  |
| No supplementary information available                                            |                                                                                   |                                                                                    |                                                                                     |

### 14.6. Special precautions for user

#### DOT

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN-No.(DOT)                                                      | : UN3082                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DOT Special Provisions (49 CFR 172.102)                          | : 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.<br>146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.<br>173 - An appropriate generic entry may be used for this material.<br>335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s.," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging.<br>IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.<br>TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 155                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 241                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : No Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : No Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

# EPO-TEK® OM125 PART A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### TDG

UN-No. (TDG)

: UN3082

TDG Special Provisions

: 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3).

(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:

(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S;

(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S;

(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S;

(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or

(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.

(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:

(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or

(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS, 99 - (1) Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, may be offered for transport, handled or transported as UN3077 if there is no visible liquid when the dangerous goods are loaded into a means of containment and during transport.

(2) These Regulations, except for Parts 1 and 2, do not apply to the offering for transport, handling or transport of less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, on a road vehicle or a railway vehicle. The dangerous goods must be contained in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety.

Explosive Limit and Limited Quantity Index

: 5 L

Excepted quantities (TDG)

: E1

Emergency Response Guide (ERG) Number

: 171

### IMDG

Special provision (IMDG)

: 274, 335, 969

Limited quantities (IMDG)

: 5 L

Excepted quantities (IMDG)

: E1

Packing instructions (IMDG)

: LP01, P001

Packing provisions (IMDG)

: PP1

IBC packing instructions (IMDG)

: IBC03

Tank instructions (IMDG)

: T4

Tank special provisions (IMDG)

: TP1, TP29

EmS-No. (Fire)

: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE

EmS-No. (Spillage)

: S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS

Stowage category (IMDG)

: A

### IATA

PCA Excepted quantities (IATA)

: E1

PCA Limited quantities (IATA)

: Y964

PCA limited quantity max net quantity (IATA)

: 30kgG

PCA packing instructions (IATA)

: 964

PCA max net quantity (IATA)

: 450L

CAO packing instructions (IATA)

: 964

CAO max net quantity (IATA)

: 450L

# EPO-TEK® OM125 PART A

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Special provision (IATA) : A97, A158, A197, A215  
ERG code (IATA) : 9L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### 15.2. International regulations

#### CANADA

#### Bisphenol A diglycidyl ether resin (25085-99-8)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

#### Bisphenol A diglycidyl ether resin (25085-99-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### Full text of H-phrases

|      |                                                 |
|------|-------------------------------------------------|
| H315 | Causes skin irritation                          |
| H317 | May cause an allergic skin reaction             |
| H319 | Causes serious eye irritation                   |
| H411 | Toxic to aquatic life with long lasting effects |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : EPO-TEK® OM125 PART B

#### 1.2. Recommended use and restrictions on use

Recommended use : Adhesives  
Restrictions on use : Not to be used for any purpose other than the one the product was designed for

#### 1.3. Supplier

Epoxy Technology, Inc.  
14 Fortune Drive  
Billerica, MA 01821  
USA  
T 978-667-3805 - F 978-663-9782  
[www.epotek.com](http://www.epotek.com)

#### 1.4. Emergency telephone number

Emergency number : VelocityEHS: +1 (800) 255-3924, +1 (813) 248-0585

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|                                                                  |      |                                                      |
|------------------------------------------------------------------|------|------------------------------------------------------|
| Acute toxicity (oral) Category 4                                 | H302 | Harmful if swallowed                                 |
| Acute toxicity (dermal) Category 4                               | H312 | Harmful in contact with skin                         |
| Skin corrosion/irritation Category 1B                            | H314 | Causes severe skin burns and eye damage              |
| Serious eye damage/eye irritation Category 1                     | H318 | Causes serious eye damage                            |
| Skin sensitization, Category 1                                   | H317 | May cause an allergic skin reaction                  |
| Reproductive toxicity Category 2                                 | H361 | Suspected of damaging fertility or the unborn child  |
| Hazardous to the aquatic environment – Acute Hazard Category 1   | H400 | Very toxic to aquatic life                           |
| Hazardous to the aquatic environment – Chronic Hazard Category 1 | H410 | Very toxic to aquatic life with long lasting effects |
| Full text of H statements : see section 16                       |      |                                                      |

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger  
Hazard statements (GHS US) :  
H302+H312 - Harmful if swallowed or in contact with skin  
H314 - Causes severe skin burns and eye damage  
H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
H361 - Suspected of damaging fertility or the unborn child  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P272 - Contaminated work clothing must not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.  
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.  
P302+P352 - If on skin: Wash with plenty of water.  
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P310 - Immediately call a poison center or doctor.  
P312 - Call a poison center or doctor if you feel unwell.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P322 - Specific treatment (see supplemental first aid instruction on this label).  
P330 - Rinse mouth.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P363 - Wash contaminated clothing before reuse.  
P391 - Collect spillage.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Harmful dust may be released during cutting, milling or grinding process.

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                               | Product identifier  | %       | GHS US classification                                              |
|------------------------------------|---------------------|---------|--------------------------------------------------------------------|
| Triethylenetetramine, propoxylated | CAS-No.: 26950-63-0 | 10 – 60 | Eye Irrit. 2, H319                                                 |
| Polyoxypropylenediamine            | CAS-No.: 9046-10-0  | 10 – 60 | Skin Corr. 1C, H314<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Name                       | Product identifier  | %       | GHS US classification                                                                                                                                                           |
|----------------------------|---------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Phenol, 4-nonyl-, branched | CAS-No.: 84852-15-3 | 10 – 30 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Repr. 2, H361<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410                                       |
| Triethylenetetramine       | CAS-No.: 112-24-3   | 5 – 30  | Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1B, H314<br>Skin Sens. 1, H317<br>Aquatic Chronic 3, H412                                                                             |
| Diethylenetriamine         | CAS-No.: 111-40-0   | 1 – 5   | Acute Tox. 4 (Oral), H302<br>Acute Tox. 4 (Dermal), H312<br>Acute Tox. 2 (Inhalation), H330<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>STOT SE 3, H335 |

Comments : Components not listed are either non-hazardous or are below reportable limits.  
\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret  
Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.  
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.  
First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Serious damage to eyes.  
Symptoms/effects after ingestion : Burns.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin, eyes and clothing. Do not breathe dust/fume/gas/mist/vapors/spray.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray.  
Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### EPO-TEK® OM125 PART B

No additional information available

#### Triethylenetetramine, propoxylated (26950-63-0)

No additional information available

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Triethylenetetramine (112-24-3)

No additional information available

### Polyoxypropylenediamine (9046-10-0)

No additional information available

### Phenol, 4-nonyl-, branched (84852-15-3)

No additional information available

### Diethylenetriamine (111-40-0)

#### USA - ACGIH - Occupational Exposure Limits

|                      |                                            |
|----------------------|--------------------------------------------|
| Local name           | Diethylenetriamine                         |
| ACGIH OEL TWA [ppm]  | 1 ppm                                      |
| Remark (ACGIH)       | TLV® Basis: URT & eye irr. Notations: Skin |
| Regulatory reference | ACGIH 2022                                 |

## 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

## 8.3. Individual protection measures/Personal protective equipment

### Hand protection:

Wear suitable gloves resistant to chemical penetration. Neoprene or nitrile rubber gloves. Butyl-rubber protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Refer to manufacturer's information. Gloves must be replaced after each use and whenever signs of wear or perforation appear

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Color : Blue  
Odor : slight  
Odor threshold : No data available  
pH : No data available

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Melting point                                   | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Relative evaporation rate (butyl acetate=1)     | : No data available |
| Flammability (solid, gas)                       | : Not applicable.   |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosion limits                                | : No data available |
| Explosive properties                            | : No data available |
| Oxidizing properties                            | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                                 |
|-----------------------------|---------------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed.         |
| Acute toxicity (dermal)     | : Harmful in contact with skin. |
| Acute toxicity (inhalation) | : Not classified                |

#### EPO-TEK® OM125 PART B

|               |                            |
|---------------|----------------------------|
| ATE US (oral) | 1544.913 mg/kg body weight |
|---------------|----------------------------|

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| EPO-TEK® OM125 PART B                                 |                                                                                                                        |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| ATE US (dermal)                                       | 1895.238 mg/kg body weight                                                                                             |
| Triethylenetetramine (112-24-3)                       |                                                                                                                        |
| LD50 oral rat                                         | 1716 mg/kg body weight (BASF test, Rat, Experimental value, Oral)                                                      |
| LD50 oral                                             | 2500 mg/kg                                                                                                             |
| LD50 dermal rabbit                                    | 1465 mg/kg body weight (BASF test, Rabbit, Experimental value, Dermal)                                                 |
| LD50 dermal                                           | 550 mg/kg                                                                                                              |
| ATE US (oral)                                         | 1716 mg/kg body weight                                                                                                 |
| ATE US (dermal)                                       | 550 mg/kg body weight                                                                                                  |
| Polyoxypropylenediamine (9046-10-0)                   |                                                                                                                        |
| LD50 oral rat                                         | 2885 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)               |
| LD50 dermal rabbit                                    | 2980 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal)    |
| LC50 Inhalation - Rat                                 | > 0.74 mg/l air (Equivalent or similar to OECD 403, 8 h, Rat, Male / female, Experimental value, Inhalation (vapours)) |
| ATE US (oral)                                         | 2885 mg/kg body weight                                                                                                 |
| ATE US (dermal)                                       | 2980 mg/kg body weight                                                                                                 |
| Phenol, 4-nonyl-, branched (84852-15-3)               |                                                                                                                        |
| LD50 oral rat                                         | 1412 mg/kg body weight (Rat, Male / female, Experimental value, Oral, 14 day(s))                                       |
| LD50 oral                                             | 580 mg/kg                                                                                                              |
| LD50 dermal rabbit                                    | 3160 mg/kg Source: ChemIDPlus                                                                                          |
| LD50 dermal                                           | 2037 mg/kg                                                                                                             |
| ATE US (oral)                                         | 580 mg/kg body weight                                                                                                  |
| ATE US (dermal)                                       | 2037 mg/kg body weight                                                                                                 |
| Diethylenetriamine (111-40-0)                         |                                                                                                                        |
| LD50 oral rat                                         | 1553 mg/kg body weight (Rat, Male, Experimental value, Oral, 14 day(s))                                                |
| LD50 oral                                             | 1080 mg/kg                                                                                                             |
| LD50 dermal rabbit                                    | 1045 mg/kg body weight (Rabbit, Experimental value, Dermal)                                                            |
| LD50 dermal                                           | 1040 mg/kg                                                                                                             |
| ATE US (oral)                                         | 1080 mg/kg body weight                                                                                                 |
| ATE US (dermal)                                       | 1040 mg/kg body weight                                                                                                 |
| ATE US (gases)                                        | 100 ppmV/4h                                                                                                            |
| ATE US (vapors)                                       | 0.5 mg/l/4h                                                                                                            |
| ATE US (dust, mist)                                   | 0.05 mg/l/4h                                                                                                           |
| Skin corrosion/irritation : Causes severe skin burns. |                                                                                                                        |
| Triethylenetetramine (112-24-3)                       |                                                                                                                        |
| pH                                                    | 10 (1 %, 20 °C)                                                                                                        |

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                                                |                                                                                                                                                                                                                                       |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Phenol, 4-nonyl-, branched (84852-15-3)</b> |                                                                                                                                                                                                                                       |
| pH                                             | No data available in the literature                                                                                                                                                                                                   |
| Serious eye damage/irritation                  | : Causes serious eye damage.                                                                                                                                                                                                          |
| <b>Triethylenetetramine (112-24-3)</b>         |                                                                                                                                                                                                                                       |
| pH                                             | 10 (1 %, 20 °C)                                                                                                                                                                                                                       |
| <b>Phenol, 4-nonyl-, branched (84852-15-3)</b> |                                                                                                                                                                                                                                       |
| pH                                             | No data available in the literature                                                                                                                                                                                                   |
| Respiratory or skin sensitization              | : May cause an allergic skin reaction.                                                                                                                                                                                                |
| Germ cell mutagenicity                         | : Not classified                                                                                                                                                                                                                      |
| Carcinogenicity                                | : Not classified                                                                                                                                                                                                                      |
| Reproductive toxicity                          | : Suspected of damaging fertility or the unborn child.                                                                                                                                                                                |
| <b>Phenol, 4-nonyl-, branched (84852-15-3)</b> |                                                                                                                                                                                                                                       |
| NOAEL (animal/female, F0/P)                    | 15 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study), Remarks on results: other:Generation: All generations tested: F0, F1, F2, F3 (migrated information) |
| NOAEL (animal/male, F1)                        | 15 mg/kg body weight Animal: rat, Animal sex: male, Guideline: other:EPA OPPTS 837.3800 (US EPA OPPTS 1998)                                                                                                                           |
| STOT-single exposure                           | : Not classified                                                                                                                                                                                                                      |
| <b>Diethylenetriamine (111-40-0)</b>           |                                                                                                                                                                                                                                       |
| STOT-single exposure                           | May cause respiratory irritation.                                                                                                                                                                                                     |
| STOT-repeated exposure                         | : Not classified                                                                                                                                                                                                                      |
| <b>Phenol, 4-nonyl-, branched (84852-15-3)</b> |                                                                                                                                                                                                                                       |
| LOAEL (oral,rat,90 days)                       | 400 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)                                                                                                                      |
| NOAEL (oral,rat,90 days)                       | 100 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)                                                                                                    |
| <b>Diethylenetriamine (111-40-0)</b>           |                                                                                                                                                                                                                                       |
| LOAEL (oral,rat,90 days)                       | 530 – 620 mg/kg body weight Animal: rat, Guideline: other:OECD Guideline for Testing of Chemicals, No. 451, May 12, 1981                                                                                                              |
| NOAEL (oral,rat,90 days)                       | 70 – 80 mg/kg body weight Animal: rat, Guideline: other:OECD Guideline for Testing of Chemicals, No. 451, May 12, 1981                                                                                                                |
| Aspiration hazard                              | : Not classified                                                                                                                                                                                                                      |
| Viscosity, kinematic                           | : No data available                                                                                                                                                                                                                   |
| <b>Triethylenetetramine (112-24-3)</b>         |                                                                                                                                                                                                                                       |
| Viscosity, kinematic                           | No data available in the literature                                                                                                                                                                                                   |
| <b>Polyoxypropylenediamine (9046-10-0)</b>     |                                                                                                                                                                                                                                       |
| Viscosity, kinematic                           | 10.9 mm²/s (20 °C, OECD 114: Viscosity of Liquids)                                                                                                                                                                                    |
| <b>Phenol, 4-nonyl-, branched (84852-15-3)</b> |                                                                                                                                                                                                                                       |
| Viscosity, kinematic                           | No data available in the literature                                                                                                                                                                                                   |
| <b>Diethylenetriamine (111-40-0)</b>           |                                                                                                                                                                                                                                       |
| Viscosity, kinematic                           | 5.268 mm²/s                                                                                                                                                                                                                           |
| Symptoms/effects after skin contact            | : Burns. May cause an allergic skin reaction.                                                                                                                                                                                         |

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Symptoms/effects after eye contact : Serious damage to eyes.  
Symptoms/effects after ingestion : Burns.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

| Triethylenetetramine (112-24-3)         |                                                                                                                                              |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                         | 495 mg/l (96 h, Pimephales promelas, Fresh water, Literature study)                                                                          |
| EC50 - Crustacea [1]                    | 31.1 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Literature study)                                                         |
| ErC50 algae                             | 27 mg/l                                                                                                                                      |
| NOEC chronic algae                      | 0.468 mg/l                                                                                                                                   |
| Polyoxypropylenediamine (9046-10-0)     |                                                                                                                                              |
| LC50 - Fish [1]                         | 772.14 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinodon variegatus, Static system, Salt water, Experimental value, GLP)           |
| EC50 - Crustacea [1]                    | 80 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)          |
| ErC50 algae                             | 15 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) |
| Phenol, 4-nonyl-, branched (84852-15-3) |                                                                                                                                              |
| LC50 - Fish [1]                         | 0.08 mg/l (ASTM E729-96, 96 h, Hybopsis monacha, Static system, Fresh water, Experimental value)                                             |
| EC50 - Crustacea [1]                    | 0.084 mg/l (ASTM E729-88, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, Lethal)                                  |
| EC50 72h - Algae [1]                    | 0.33 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)    |
| ErC50 algae                             | 0.027 mg/l                                                                                                                                   |
| NOEC chronic fish                       | 0.006 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)<br>Duration: '91 d'                                |
| Diethylenetriamine (111-40-0)           |                                                                                                                                              |
| LC50 - Fish [1]                         | 430 mg/l (EU Method C.1, 96 h, Poecilia reticulata, Semi-static system, Fresh water, Experimental value, GLP)                                |
| EC50 - Crustacea [1]                    | 64.6 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)                                          |
| EC50 - Crustacea [2]                    | 16 mg/l Test organisms (species): Daphnia magna                                                                                              |
| EC50 72h - Algae [1]                    | 187 mg/l Source: ECHA                                                                                                                        |
| ErC50 algae                             | 1164 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP)     |
| LOEC (chronic)                          | 11.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                           |
| NOEC (chronic)                          | 5.6 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                            |
| NOEC chronic fish                       | > 10 mg/l Test organisms (species): Gasterosteus aculeatus Duration: '28 d'                                                                  |
| NOEC chronic crustacea                  | 5.6 mg/l                                                                                                                                     |

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 12.2. Persistence and degradability

#### Triethylenetetramine (112-24-3)

Not rapidly degradable

|                               |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |
|-------------------------------|-------------------------------------|

#### Polyoxypropylenediamine (9046-10-0)

Not rapidly degradable

|                               |                                     |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Not readily biodegradable in water. |
|-------------------------------|-------------------------------------|

#### Phenol, 4-nonyl-, branched (84852-15-3)

Not rapidly degradable

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| Persistence and degradability | Biodegradability in soil: no data available. Inherently biodegradable. |
|-------------------------------|------------------------------------------------------------------------|

#### Diethylenetriamine (111-40-0)

Not rapidly degradable

|                               |                                                                    |
|-------------------------------|--------------------------------------------------------------------|
| Persistence and degradability | Readily biodegradable in the soil. Readily biodegradable in water. |
|-------------------------------|--------------------------------------------------------------------|

### 12.3. Bioaccumulative potential

#### Triethylenetetramine (112-24-3)

|                                                 |                                 |
|-------------------------------------------------|---------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -2.65 (Estimated value, KOWWIN) |
|-------------------------------------------------|---------------------------------|

|                           |                      |
|---------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |
|---------------------------|----------------------|

#### Polyoxypropylenediamine (9046-10-0)

|                                                 |                                                                                                  |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.34 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------|

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
|---------------------------|--------------------------------------------------|

#### Phenol, 4-nonyl-, branched (84852-15-3)

|                |                                                                                                                                                       |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| BCF - Fish [1] | 1200 – 1300 (Equivalent or similar to OECD 305, 16 day(s), Gasterosteus aculeatus, Flow-through system, Salt water, Experimental value, Fresh weight) |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                 |                                                                                                 |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 5.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 23 °C) |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------|

|                           |                                                   |
|---------------------------|---------------------------------------------------|
| Bioaccumulative potential | Potential for bioaccumulation (500 ≤ BCF ≤ 5000). |
|---------------------------|---------------------------------------------------|

#### Diethylenetriamine (111-40-0)

|                |                                                                                                                                                                |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BCF - Fish [1] | 0.3 – 6.3 (OECD 305: Bioconcentration: Flow-Through Fish Test, 8 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value, Fresh weight) |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                 |                           |
|-------------------------------------------------|---------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -1.58 (Calculated, 20 °C) |
|-------------------------------------------------|---------------------------|

|                           |                      |
|---------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |
|---------------------------|----------------------|

### 12.4. Mobility in soil

#### Triethylenetetramine (112-24-3)

|                 |                                     |
|-----------------|-------------------------------------|
| Surface tension | No data available in the literature |
|-----------------|-------------------------------------|

|                                                            |                                                      |
|------------------------------------------------------------|------------------------------------------------------|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.885 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
|------------------------------------------------------------|------------------------------------------------------|

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Triethylenetetramine (112-24-3)                            |                                                                              |
|------------------------------------------------------------|------------------------------------------------------------------------------|
| Ecology - soil                                             | Highly mobile in soil.                                                       |
| Polyoxypropylenediamine (9046-10-0)                        |                                                                              |
| Surface tension                                            | Data waiving                                                                 |
| Ecology - soil                                             | No (test)data on mobility of the substance available.                        |
| Phenol, 4-nonyl-, branched (84852-15-3)                    |                                                                              |
| Surface tension                                            | 38.9 mN/m (20 °C, EU Method A.5: Surface tension)                            |
| Ecology - soil                                             | Adsorbs into the soil.                                                       |
| Diethylenetriamine (111-40-0)                              |                                                                              |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.4 – 4.6 (log Koc, Other, Experimental value, GLP)                          |
| Ecology - soil                                             | Adsorbs into the soil. Low potential for mobility in soil. Soil contaminant. |

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT                                                                                 | TDG                                                                                 | IMDG                                                                                 | IATA                                                                                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 14.1. UN number                                                                     |                                                                                     |                                                                                      |                                                                                       |
| 2735                                                                                | UN2735                                                                              | 2735                                                                                 | 2735                                                                                  |
| 14.2. Proper Shipping Name                                                          |                                                                                     |                                                                                      |                                                                                       |
| Polyamines, liquid, corrosive, n.o.s.<br>(Polyoxypropylenediamine)                  | AMINES, LIQUID, CORROSIVE,<br>N.O.S. (Polyoxypropylenediamine)                      | AMINES, LIQUID, CORROSIVE,<br>N.O.S. (Polyoxypropylenediamine)                       | Amines, liquid, corrosive, n.o.s.<br>(Polyoxypropylenediamine)                        |
| 14.3. Transport hazard class(es)                                                    |                                                                                     |                                                                                      |                                                                                       |
| 8                                                                                   | 8                                                                                   | 8                                                                                    | 8                                                                                     |
|  |  |  |  |
| 14.4. Packing group                                                                 |                                                                                     |                                                                                      |                                                                                       |
| III                                                                                 | III                                                                                 | III                                                                                  | III                                                                                   |

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| DOT                                    | TDG                                | IMDG                                                        | IATA                               |
|----------------------------------------|------------------------------------|-------------------------------------------------------------|------------------------------------|
| <b>14.5. Environmental hazards</b>     |                                    |                                                             |                                    |
| Dangerous for the environment: Yes     | Dangerous for the environment: Yes | Dangerous for the environment: Yes<br>Marine pollutant: Yes | Dangerous for the environment: Yes |
| No supplementary information available |                                    |                                                             |                                    |

### 14.6. Special precautions for user

#### DOT

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN-No.(DOT)                                                      | : UN2735                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DOT Special Provisions (49 CFR 172.102)                          | : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).<br>T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.<br>TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 241                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 5 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 60 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| DOT Vessel Stowage Other                                         | : 52 - Stow "separated from" acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

#### TDG

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| UN-No. (TDG)                               | : UN2735                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| TDG Special Provisions                     | : 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3).<br>(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:<br>(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S;<br>(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S;<br>(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S;<br>(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or<br>(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.<br>(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:<br>(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or<br>(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS. |
| Explosive Limit and Limited Quantity Index | : 5 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Excepted quantities (TDG) : E1  
Passenger Carrying Road Vehicle or Passenger : 5 L  
Carrying Railway Vehicle Index  
Emergency Response Guide (ERG) Number : 153

**IMDG**  
Special provision (IMDG) : 223, 274  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : P001, LP01  
IBC packing instructions (IMDG) : IBC03  
Tank instructions (IMDG) : T7  
Tank special provisions (IMDG) : TP1, TP28  
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE  
EmS-No. (Spillage) : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES  
Stowage category (IMDG) : A  
Segregation (IMDG) : SGG18, SG35  
Properties and observations (IMDG) : Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.

**IATA**  
PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y841  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 852  
PCA max net quantity (IATA) : 5L  
CAO packing instructions (IATA) : 856  
CAO max net quantity (IATA) : 60L  
Special provision (IATA) : A3, A803  
ERG code (IATA) : 8L

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S

|                            |                    |          |
|----------------------------|--------------------|----------|
| Phenol, 4-nonyl-, branched | CAS-No. 84852-15-3 | 10 – 30% |
|----------------------------|--------------------|----------|

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|                            |                    |          |
|----------------------------|--------------------|----------|
| Phenol, 4-nonyl-, branched | CAS-No. 84852-15-3 | 10 – 30% |
|----------------------------|--------------------|----------|

### 15.2. International regulations

#### CANADA

#### Triethylenetetramine, propoxylated (26950-63-0)

Listed on the Canadian DSL (Domestic Substances List)

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Triethylenetetramine (112-24-3)

Listed on the Canadian DSL (Domestic Substances List)

### Polyoxypropylenediamine (9046-10-0)

Listed on the Canadian DSL (Domestic Substances List)

### Phenol, 4-nonyl-, branched (84852-15-3)

Listed on the Canadian DSL (Domestic Substances List)

### Diethylenetriamine (111-40-0)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

No additional information available

### National regulations

### Triethylenetetramine (112-24-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Polyoxypropylenediamine (9046-10-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Phenol, 4-nonyl-, branched (84852-15-3)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### Diethylenetriamine (111-40-0)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component                      | State or local regulations                                                                                                                            |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Triethylenetetramine(112-24-3) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |
| Diethylenetriamine(111-40-0)   | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Full text of H-phrases

|      |                              |
|------|------------------------------|
| H302 | Harmful if swallowed         |
| H312 | Harmful in contact with skin |

# EPO-TEK® OM125 PART B

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| Full text of H-phrases |                                                      |
|------------------------|------------------------------------------------------|
| H314                   | Causes severe skin burns and eye damage              |
| H317                   | May cause an allergic skin reaction                  |
| H318                   | Causes serious eye damage                            |
| H319                   | Causes serious eye irritation                        |
| H330                   | Fatal if inhaled                                     |
| H335                   | May cause respiratory irritation                     |
| H361                   | Suspected of damaging fertility or the unborn child  |
| H400                   | Very toxic to aquatic life                           |
| H410                   | Very toxic to aquatic life with long lasting effects |
| H412                   | Harmful to aquatic life with long lasting effects    |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.