## Section 1. Identification

**Product Name:** PROFLEX® MB-25 Part A
**Effective Date:** 31 May 2015 **Replaces:** 10 January 2011
**Manufacturer Name:** **PROFLEX® Products, Inc.**
**Address:** **1603 Grove Ave**
**Haines City, FL 33844**
**EMERGENCY PHONE:** 877-577-6353

## Section 2. Hazard(s) Identification

**OSHA / HCS status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Classification of the substance or mixture:** SKIN CORROSION / IRRITATION - Category 2
SERIOUS EYE DAMAGE / EYE IRRITATION - Category 2A
SKIN SENSITIZATION - Category 1
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
(Respiratory tract irritation - Category 3

**GHS Pictograms:** Hazard pictograms

**GHS Signal Word:** WARNING

**HAZARD STATEMENTS:** Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause respiratory irritation.

Precautionary statements: Wear protective gloves: butyl rubber, Ethyl vinyl alcohol laminate (EVAL), nitrile rubber, neoprene rubber. Wear eye and face protection. Wear protective clothing. Avoid breathing vapor. Avoid release to the environment. Wash hands thoroughly after handling. Collect spillage.

## Section 3. Composition / Information on Ingredients

| **Ingredients** | | |
|---|---|---|
| **Components** | **CAS #** | **Wt%** |
| Propane. 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-<br>Common name: Bisphenol A based Epoxy resin | 25085-99-8 | >99 |
| Glycidoxypropyl trimethoxysilane | 2530-83-8 | <1 |
| G.I. Solvent Blue | 74499-36-8 | <0.1 |

## Section 4. First Aid Measures

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.
**Inhalation:** Move person to fresh air; if effects occur, consult a physician.

**Skin contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Seek medical attention if symptoms occur or irritation persists. Wash clothing before reuse. Remove residues with soap and water. Call a physician if irritation persists.
**Eye contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after initial 1-2 minutes and continue flushing for several additional minutes. If effect occurs, consult a physician, preferably an ophthalmologist.
**Ingestion:** The decision of whether to induce vomiting or not should be made by a physician.
**Note to physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. Corticosteroid cream has been very effective for treating skin irritation.

## Section 5. Fire Fighting Measures

**Extinguishing Media:** Carbon dioxide. Dry chemical fire extinguishers. Foam.
**Hazardous Combustion Products:** Under conditions of incomplete combustion or pyrolysis, phenolics and carbon oxides may be evolved. The thermal decomposition products therefore should be treated as potentially hazardous substances and appropriate precautions should be taken.
**Protection of Firefighters:** Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coats, trousers, boots and gloves.
**Specific Fire or Explosion Hazards:** Non-flammable product.

## Section 6. Accidental Release Measures

**Personal Precautions:** Wear adequate personal protective equipment, see section 8 EPOXY CONTROLS/PERSONAL PROTECTION.
**Environmental Precautions:** Contain liquid to prevent contamination of soil, surface water or groundwater. FLushings and wash waters must be contained and prevented from entering into soil, waterways and groundwater.
**Large spills:** Contain with dike.
**Methods of Cleaning Up:** Cover and soak up with a suitable absorbent material, such as: Sand. Collect in suitable and properly labeled containers. Dispose of according to applicable regulations, see Section 13, DISPOSAL CONSIDERATIONS. Residual can be removed with solvent. Solvents are not practices for the specific solvent are followed. Consult appropriate solvent SDS for handling information and exposure guidelines. Residual product may be removed using steam or hot soapy water.

## Section 7. Handling and Storage

Practice care and caution to avoid skin and eye contact. Avoid breathing vapours of heated materials.
**Storage Temperature and Shelf Life:** Store at 25ºC. Shelf life is 12 months.

## Section 8. Exposure Controls / Personal Protection

**Exposure Guidelines:** None established.
**Engineering Controls:** Good general ventilation should be sufficient for most conditions.
**Personal Protective Equipment:** No respiratory protection should be needed.
**Skin Protection:** For brief contact, no precautions other than clean body-covering clothing should be needed.
The following should be effective protective clothing materials: Nitrile rubber. Neoprene, or Butyl.
Remove contaminated clothing no later than at the end of the work period and launder before reuse.
**Eye and Face Protection:** Use safety glasses. Where contact with material is likely, chemical goggles or face shield with safety glasses are recommended because eye contact may cause discomfort even though it is unlikely to cause injury.

## Section 9. Physical and Chemical Properties

| **General Information** | |
|---|---|
| *Appearance* | Liquid |
| *Vapor Density* | Not determined |
| *Odor* | Slight epoxy odor |
| *Relative Density* | Not determined |

| | |
|---|---|
| *Odor threshold* | Not available |
| *Solubility(ies)* | Insoluble in water |
| *pH* | Not available |
| *Partition coefficient: n-octanol/water* | Not determined |
| Melting point / freezing point | Not determined |
| Auto-ignition temperature | Not determined |
| Flash point | >264ºC |
| Decomposition temperature | Not determined |
| Evaporation rate | Not determined |
| Viscosity | 9000-15000 cps 25ºC @400 rpm |
| Flammability (Solid/gas) | Not applicable |
| Specific gravity | 1.16 |
| Upper/lower flammability | Not determined |
| VOC Content | 0.0lb/gla |
| Vapor pressure | <0.0000001 mbar @ 21ºC |
| Boiling point | >320ºC |

## Section 10. Stability and Reactivity

**Chemical Stability:** Stable under normal storage conditions.
**Conditions of Avoid:** Excessive heating over long periods of time degrades the product (causing discoloration).
**Materials to Avoid:** Acids. Amines. Bases. Oxidising agents.
**Hazardous Polymerization:** Hazardous Polymerization will not occur by itself, but masses of more than 0.5 kg of product, plus an aliphatic amine will cause irreversible polymerization with considerable heat build up.

## Section 11. Toxicological Information

**Acute toxicity:**

Ingestion: The oral LD50 for rats is expected to be >5000 mb/kg. Single dose oral toxicity is believed to be low. Harmful effects not anticipated from swallowing small amounts.
Skin Contact: Prolonged skin contact is unlikely to result in absorption of harmful amounts. The LD50 for skin absorption in rabbits is believed to be 20,000 mb/kg.
Inhalation: Vapours are unlikely due to physical properties.
Irritation:

Skin: Repeated contact may cause skin irritation with local redness.
Eyes: May cause slight temporary eye irritation. Corneal injury is unlikely.
Sensitization: Skin contact has causes allergic skin reactions in humans.

Carcinogenicity: Many studies have been conducted to assess the potential carcinogenicity of diglycidyl ether of bisphenol A (DGEBPA). Although some weak evidence of carcinogenicity has been reported in animals, when all of the data are considered, the weight of evidence does not show that DGEBPA is carcinogenic. Indeed, the most recent review of the available data by the International Agency for Research on Cancer (IARC) has concluded that DGEBPA is not classified as a carcinogen.

## Section 12. Ecological Information

**Mobility and Bioaccumulation potential:** Bioconcentration is moderate (BCF between 100 and 3000 or log Pow between 3 and 5). Potential for mobility in soil is high (Koc between 50 and 150). Material is expected to cause long-term adverse effects in the aquatic environment (log Pow greater than 3.0).
**Degradation:** Based on the stringent OECD test guidelines, this material can not be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.
**Aquatic Toxicity:** Material is toxic to aquatic organisms (LC50/EC50/IC50 between 1 and 10 mg/L in most sensitive species).

## Section 13. Disposal Considerations

**Disposal:** The recommended procedure for disposing of waste products is burning under carefully controlled conditions. Burn in an adequate incinerator. Do not dump into any sewers, on the ground, or into any body of water.
**Wastes or Residues:** Customers are advised to check their local legislation governing the disposal of chemical waste.
**Contaminated Clothing:** Empty containers must be disposed of as hazardous waste unless all remaining product adhering to the container walls has been removed. Hazard warning labels can be removed from the container walls and the container sent for recycling or disposed of safely and in accordance with local regulations. If the container is reconditioned, the reconditioning company should be made aware of the nature of the original contents.

## Section 14. Transport Information

**DOT:**

**Proper shipping name:** Not regulated
**Label:**
**Classification code:**
**Packing group:**
**UN Number:**

**IMDG:**

**Proper shipping name:** Environmentally Hazardous Substance, liquid, n.o.s. (Epoxy Resins).
**IMO/IMDG Hazard Class:** 9
**UN Number:** 3082
**Label:** Misc & Marine pollutant
**Packing group:** III
**Marine Pollutant:** Yes
**EMS:** F-A, S-F

**IATA/ICAO:**

**Proper shipping name:** Environmentally Hazardous Substance, liquid, n.o.s. (Epoxy Resins).
**IATA/ICAO Hazard Class:** 9
**UN Number:** 3082
**Label:** Misc
**Sub Class:** None
**Packing Group:** III
**Pack Instr. Passenger:** 964
**Pack Instr. Cargo:** 964

## Section 15. Regulatory Information

STATUS OF SUBSTANCE LISTS: The concentration shown in this document are maximum levels (weight %) to be used for regulations.
**TOXIC SUBSTANCES CONTROL ACT (TSCA):** The components of this product are contained on the chemical substance inventory list.
**OSHA:** This product is a 'Hazardous Chemical' as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200
**IARC:** Not carcinogenic
**FEDERAL EPA:** COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1989 (CERCLA): Requires notification of the national Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantity (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

| Chemical Name | CAS Number | % by Weight | RQ |
|---|---|---|---|

**None**

**SUPERFUND AMENDMENTS and REAUTHORIZATION ACT OF 196 (SARA) Title III:**
Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product as a level which could require reporting under this statute are:

| Chemical Name | CAS Number | % by Weight | RQ |
|---|---|---|---|
| **None** | | | |

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known.

| | | | **EPA Hazard Classifications:** | | |
|---|---|---|---|---|---|
| | Acute Hazard | Chronic Hazard | Fire Hazard | Pressure Hazard | Reactive Hazard |
| | **Yes** | **No** | **No** | **No** | **No** |

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material. Components present in this product at a level which could require reporting under the statute:

| Chemical Name | CAS Number | % by Weight | RQ |
|---|---|---|---|
| **None** | | | |

California Proposition 65. Does not contain any listed chemicals to the best of our knowledge.

| | | | |
|---|---|---|---|
| Canada | DSL | On the inventory | WHMIS Code: D2B |

Included on Inventory

| | |
|---|---|
| EUROPE | EINECS |
| AUSTRALIA | AICS |
| JAPAN | MIT/ENCS |
| SOUTH KOREA | ECL |
| CHINA | SEPA |
| PHILIPPINES | PICC |

**Abbreviations:**

| | | | |
|---|---|---|---|
| CAS # | Chemical Abstract Service Number | EINECS | European Inventory of existing Commercial Chemical Sales |
| ºC | Celsius temperature scale | ºF | Fahrenheit temperature scale |
| Prop. | Proprietary | PE | Personal Protective Equipment |
| TLV | Threshold Limit Value | TWA | Time Weighted Average |
| STEL | Short-term Exposure Limit | PEL | Permissible Exposure Limit |
| OSHA | Occupational Safety & Health | NIOSH | National Institute of Safety & Health |
| NFPA | National Fire Protection Agency | WHMIS | Workplace Hazardous Materials Information System |
| NTP | National Toxicology Program | IARC | Int. Agency for Research on Cancer |
| RCRA | Resource Conservation Recovery Act | TSCA | Toxic Substance Control Act |
| EC50 | Effective Dose | LC50 | Lethal Inhalation Concentration |
| LD50 | Lethal Dose | CAS | Chemical Abstract Service Number |
| LEL | Lower explosive limit | UEP | Upper explosive limit |
| NDA | No Data Available | ND | Not determined |
| NE | None established | NA | Not Applicable |
| ≤ | Less Than or Equal To | ≥ | Greater Than or Equal To |
| CNS | Central Nervous System | CI | China |
| DSL | Canada | ECL | Korean Existing Chemicals List |
| EEC | European Economic Commission | ENCS | Japanese Existing and New Chemical List |
| EU | European Union | MAC | Netherlands |
| MAK | Germany | MITI | Japan |
| PICCS | Philippines | SWISS | Giftliste 1 |
| UK | United Kingdom | USA | United States |
| VOC | Volatile organic content | | |
| ACGIH | American Conference of Governmental Industrial Hygienists | | |
| SARA | Superfund Amendments and Reauthorization Act | | |
| AICS | Australian Inventory of Chemical Substances | | |
| IARC | International Agency for Research on Cancer | | |
| Taiwan | List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086 | | |

## Section 16. Other Information

**EC Classification and User Label Information**

**Hazardous Symbol:** Xi - irritant
N - Dangerous for the Environment

**Risk Phrases:** Irritating to eyes and skin (R36/38). May cause sensitization by skin contact (R43). Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/R53). Possible risks of irreversible effects (R40). Irritating to eyes, respiratory system and skin (R36/37/38).

**Safety Phrases:** Avoid contact with skin (S24).
After contact with skin, wash immediately with plenty of water and soap (S28).
Wear suitable gloves and eye/face protection (S37-39).
Avoid release to the environment. Refer to special instructions/safety data sheet (S61).

**Chemical Name:** Reaction product: Bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight <=700

| **HAZARD RATING:** | **HMIS** |
|---|---|
| 4=Extreme | HEALTH 2 |
| 3=High | FIRE 1 |
| 2=Moderate | REACTIVITY 0 |
| 1=Slight | PROTECTION X |
| 0=Insignificant | |

Disclaimer:
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## Section 1. Identification

**Product Name:** PROFLEX® MB-25 Part B
**Effective Date:** 31 May 2015 **Replaces:** 10 January 2011
**Manufacturer Name:** **PROFLEX® Products, Inc.**
**Address:** **1603 Grove Ave**
**Haines City, FL 33844**
**EMERGENCY PHONE:** 877-577-6353

## Section 2. Hazard(s) Identification

**OSHA / HCS status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Classification of the substance or mixture:** SKIN CORROSION / IRRITATION - Category 1B
SERIOUS EYE DAMAGE / EYE IRRITATION - Category 1
ACUTE TOXICITY - ORAL - Category 4
AQUATIC HAZARD (ACUTE) - Category 3
AQUATIC HAZARD (LONG TERM) - Category 2

**GHS Pictograms:** Hazard pictograms

**GHS Signal Word:** DANGER

**HAZARD STATEMENTS:** Causes severe skin burns and eye damage.
Toxic to aquatic life with long lasting effects.

Precautionary statements: Wear protective gloves: butyl rubber, nitrile rubber, neoprene rubber. Wear eye and face protection. Wear protective clothing. Avoid breathing vapor. Avoid release to the environment. Wash hands thoroughly after handling. Collect spillage.

## Section 3. Composition / Information on Ingredients

| Ingredients | | |
|---|---|---|
| **Components** | **CAS #** | **Wt%** |
| Benzyl alcohol | 100-51-6 | 32-37 |
| Polyamide | Trade secret | 19021 |
| Cycloaliphatic amine | Trade secret | 11-14 |
| Methylene, polymer with benzenamine hydrogenated | 135108-88-2 | 11-14 |
| Isophoronediamine | 2855-13-2 | 9-11 |
| Nonyl phenol | 84852-15-3 | 6-9 |
| Triethylenetetramine | 112-24-3 | 1-3 |

## Section 4. First Aid Measures

Never give fluids or induce vomiting if patient is unconscious or is having convulsions.
**Inhalation:** Move person to fresh air; if effects occur, consult a physician.
**Skin contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Seek medical attention if symptoms occur or irritation persists. Wash clothing before reuse. Remove residues with soap and water. Call a physician if irritation persists.
**Eye contact:** Flush eyes thoroughly with water for 15 minutes. Iff effects occur, consult a physician, preferably an ophthalmologist.
**Ingestion:** Do not induce vomiting. Give one glass of water unless victim is drowsy, convulsing or unconscious. See physician immediately..
**Note to physician:** Corticosteroid cream has been effective for treating skin irritation.

## Section 5. Fire Fighting Measures

**Extinguishing Media:** Carbon dioxide. Dry chemical fire extinguishers. Foam.
**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, nitrogen oxides.
**Protection of Firefighters:** Wear positive-pressure self-contained breathing apparatus and protective fire fighting clothing (includes fire fighting helmet, coats, trousers, boots and gloves.
**Specific Fire or Explosion Hazards:** None

## Section 6. Accidental Release Measures

**Personal Precautions:** Wear adequate personal protective equipment, see section 8 EPOXY CONTROLS/PERSONAL PROTECTION.
**Environmental Precautions:** Contain liquid to prevent contamination of soil, surface water or groundwater. FLushings and wash waters must be contained and prevented from entering into soil, waterways and groundwater.
**Large spills:** Contain with dike.
**Methods of Cleaning Up:** Cover and soak up with a suitable absorbent material, such as: Sand. Collect in suitable and properly labeled containers. Dispose of according to applicable regulations, see Section 13, DISPOSAL CONSIDERATIONS. Residue can be removed with solvent. Solvents are not recommended for cleanup unless the recommended exposure guidelines and safe handling practices for the specific solvent are followed. Consult appropriate solvent SDS for handling information and exposure guidelines. Residual product may be removed using steam or hot soapy water.

## Section 7. Handling and Storage

Avoid contact with eyes, skin or clothing. Do not breathe vapors. Keep away from acids, oxidizers and heat. Keep away from food or drink. Keep dry and store in closed containers.

Storage Temperature Shelf Life
Store at 25ºC. Shelf life is 12 months.

## Section 8. Exposure Controls / Personal Protection

**Exposure Guidelines:** None established.
**Engineering Controls:** Local exhaust.
**Personal Protective Equipment:** Organic vapor respirator if ventilation is inadequate.
**Skin Protection:** The following should be effective protective clothing materials: Nitrile rubber. Neoprene Polyvinyl chloride (PVC or vinyl).
Wear ethyl vinyl alcohol laminate (EVAL) or butyl rubber impervious gloves when prolonged or frequent repeated contact could occur. Remove contaminated clothing no later than at the end of the work period and launder before reuse.
**Eye and Face Protection:** Use safety glasses. Where contact with material is likely, chemical goggles are recommended because eye contact may cause discomfort even though it is unlikely to cause injury.

## Section 9. Physical and Chemical Properties

| **General Information** | |
|---|---|
| *Appearance* | Liquid |
| *Vapor Density* | Not determined |
| *Odor* | Slight Amine odor |
| *Relative Density* | Not determined |
| *Odor threshold* | Not available |
| *Solubility(ies)* | Insoluble in water |
| *pH* | ≈ 9-10 |
| *Partition coefficient: n-octanol/water* | Not determined |
| Melting point / freezing point | Not determined |
| Auto-ignition temperature | Not determined |
| Flash point | >205ºF |
| Decomposition temperature | Not determined |
| Evaporation rate | Not determined |
| Viscosity | 1500-2500 cps 25ºC @ 200 rpm |
| Flammability (Solid/gas) | Not applicable |
| Specific gravity | 1.01 |
| Upper/lower flammability | Not determined |

| | |
|---|---|
| VOC Content | Not determined |
| Vapor pressure | <10 mm of Hg @ 20 C |
| Boiling point | >351ºF |

## Section 10. Stability and Reactivity

**Chemical Stability:** Stable.
**Conditions of Avoid:** Excessive heating.
**Materials to Avoid:** Can react vigorously with strong oxidizing agents, strong mineral acids, and strong mineral and organic bases, especially primary and secondary aliphatic amines.
**Hazardous Polymerization:** Hazardous Polymerization will not occur by itself, but masses of more than 0.5 kg of product, plus an epoxy resin will cause irreversible polymerization with considerable heat build up.

## Section 11. Toxicological Information

**Acute toxicity:**
Ingestion: Not likely to be a relevant route of exposure.
Skin Contact: Corrosive to skin. May be toxic if absorbed through skin. May cause skin sensitization.
Inhalation: Vapors/mists may be corrosive to upper respiratory tract. Repeated or prolonged exposure can result in lung damage.
Eyes: Corrosive to the eyes and may cause severe damage including blindness. Vapors may be irritating.
Aggravated Medical Condition: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.
Carcinogenicity: None

## Section 12. Ecological Information

**Mobility and Bioaccumulation potential:** Not determined..
**Degradation:** Not determined.
**Aquatic Toxicity:** Not determined.

## Section 13. Disposal Considerations

**Disposal:** The recommended procedure for disposing of waste products is burning under carefully controlled conditions. Burn in an adequate incinerator. Do not dump into any sewers, on the ground, or into any body of water.
**Wastes or Residues:** Customers are advised to check their local legislation governing the disposal of chemical waste.
**Contaminated Clothing:** Empty containers must be disposed of as hazardous waste unless all remaining product adhering to the container walls has been removed. Hazard warning labels can be removed from the container walls and the container sent for recycling or disposed of safely and in accordance with local regulations. If the container is reconditioned, the reconditioning company should be made aware of the nature of the original contents.

## Section 14. Transport Information

**DOT:**

**Proper shipping name:** UN1760 Corrosive Liquids, n.o.s (Isophoronediamine, Nonyl phenol), 8, PG III
**Classification code:** 8
**Packing group:** PG III
**UN Number:** 1760

**IMDG:**

**Proper shipping name:** UN1760 Corrosive Liquids, n.o.s (Isophoronediamine, Nonyl phenol), 8, PG III
**Class:** 8
**UN Number:** 3082
**Packing group:** III
**EMS:** F-A, S-B

**IATA**

**Proper shipping name:** UN1760 Corrosive Liquids, n.o.s (Isophoronediamine, Nonyl phenol), 8, PG III
**Class:** 8
**UN Number:** 1760
**Packing Group:** PG III
**Pack Instr. Passenger:** 852
**Pack Instr. Cargo:** 856

## Section 15. Regulatory Information

STATUS OF SUBSTANCE LISTS: The concentration shown in this document are maximum levels (weight %) to be used for regulations.
**TOXIC SUBSTANCES CONTROL ACT (TSCA):** The components of this product are contained on the chemical substance inventory list.
**OSHA:** This product is a 'Hazardous Chemical' as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200
**IARC:** Not carcinogenic
**FEDERAL EPA:** COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1989 (CERCLA): Requires notification of the national Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantity (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

| Chemical Name | CAS Number | % by Weight | RQ |
|---|---|---|---|
| **None** | | | |

**SUPERFUND AMENDMENTS and REAUTHORIZATION ACT OF 196 (SARA) Title III:**
Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product as a level which could require reporting under this statute are:

| Chemical Name | CAS Number | % by Weight | RQ |
|---|---|---|---|
| **None** | | | |

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known.

| | | | **EPA Hazard Classifications:** | | |
|---|---|---|---|---|---|
| | Acute Hazard | Chronic Hazard | Fire Hazard | Pressure Hazard | Reactive Hazard |
| | **Yes** | **No** | **No** | **No** | **No** |

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material. Components present in this product at a level which could require reporting under the statute:

| Chemical Name | CAS Number | % by Weight | RQ |
|---|---|---|---|
| **None** | | | |

California Proposition 65. Does not contain any listed chemicals to the best of our knowledge.

| | | | |
|---|---|---|---|
| Canada | DSL | On the inventory | WHMIS Code: D2B |

Included on Inventory

| | |
|---|---|
| EUROPE | EINECS |
| AUSTRALIA | AICS |
| JAPAN | MIT/ENCS |
| SOUTH KOREA | ECL |
| CHINA | SEPA |
| PHILIPPINES | PICC |

**Abbreviations:**

| | | | |
|---|---|---|---|
| CAS # | Chemical Abstract Service Number | EINECS | European Inventory of existing Commercial Chemical Sales |
| ºC | Celsius temperature scale | ºF | Fahrenheit temperature scale |
| Prop. | Proprietary | PE | Personal Protective Equipment |
| TLV | Threshold Limit Value | TWA | Time Weighted Average |
| STEL | Short-term Exposure Limit | PEL | Permissible Exposure Limit |
| OSHA | Occupational Safety & Health | NIOSH | National Institute of Safety & Health |
| NFPA | National Fire Protection Agency | WHMIS | Workplace Hazardous Materials Information System |
| NTP | National Toxicology Program | IARC | Int. Agency for Research on Cancer |
| RCRA | Resource Conservation Recovery Act | TSCA | Toxic Substance Control Act |
| EC50 | Effective Dose | LC50 | Lethal Inhalation Concentration |

| | | | |
|---|---|---|---|
| LD50 | Lethal Dose | CAS | Chemical Abstract Service Number |
| LEL | Lower explosive limit | UEP | Upper explosive limit |
| NDA | No Data Available | ND | Not determined |
| NE | None established | NA | Not Applicable |
| ≤ | Less Than or Equal To | ≥ | Greater Than or Equal To |
| CNS | Central Nervous System | CI | China |
| DSL | Canada | ECL | Korean Existing Chemicals List |
| EEC | European Economic Commission | ENCS | Japanese Existing and New Chemical List |
| EU | European Union | MAC | Netherlands |
| MAK | Germany | MITI | Japan |
| PICCS | Philippines | SWISS | Giftliste 1 |
| UK | United Kingdom | USA | United States |
| VOC | Volatile organic content | | |
| ACGIH | American Conference of Governmental Industrial Hygienists | | |
| SARA | Superfund Amendments and Reauthorization Act | | |
| AICS | Australian Inventory of Chemical Substances | | |
| IARC | International Agency for Research on Cancer | | |
| Taiwan | List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086 | | |

## Section 16. Other Information

**EC Classification and User Label Information**

| | |
|---|---|
| **Hazardous Symbol:** | Xi - irritant<br>N - Dangerous for the Environment |
| **Risk Phrases:** | Irritating to eyes and skin (R36/38). May cause sensitization by skin contact (R43). Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment (R51/R53). Possible risks of irreversible effects (R40). Irritating to eyes, respiratory system and skin (R36/37/38). |
| **Safety Phrases:** | Avoid contact with skin (S24).<br>After contact with skin, wash immediately with plenty of water and soap (S28).<br>Wear suitable gloves and eye/face protection (S37-39).<br>Avoid release to the environment. Refer to special instructions/safety data sheet (S61). |
| **Chemical Name:** | Reaction product: Bisphenol A-(epichlorohydrin); epoxy resin (number average molecular weight <=700 |

| **HAZARD RATING:** | **HMIS** |
|---|---|
| 4=Extreme | HEALTH 3 |
| 3=High | FIRE 1 |
| 2=Moderate | REACTIVITY 0 |
| 1=Slight | PROTECTION X |
| 0=Insignificant | |

Disclaimer:
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