# MATERIAL SAFETY DATA SHEET

H.M. Epoxiglas Bond Kit - Part A

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **Product Name:** | H.M. Epoxiglas Bond Kit - Part A |
| **Product Number:** | H1917 |
| **Product Use:** | Epoxy Resin. |
| **Manufacturer/Supplier:** | Hubbell Power Systems<br>210 North Allen Street<br>Centralia, MO.<br>65240 |
| **Phone Number:** | (573) 682-8465 |
| **Emergency Phone:** | (573) 682-8465 |
| **Date of Preparation:** | January 25, 2011 |

## Section 2: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

WARNING

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

**Potential Health Effects:** See Section 11 for more information.

**Likely Routes of Exposure:** Skin contact, skin absorption, eye contact, inhalation, and ingestion.

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation. May cause sensitisation by skin contact.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Inhalation:** May cause respiratory tract irritation.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Medical Conditions Aggravated By Exposure:** Asthma. Allergies.

**Target Organs:** Skin, eyes, gastrointestinal tract, respiratory system.

**Potential Environmental Effects:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | CAS # | Wt. % |
|---|---|---|
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | 25068-38-6 | 40 - 70 |
| Fiberglass | 65997-17-3 | 40 - 70 |

## Section 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

**Note to Physicians:** Symptoms may not appear immediately.

## Section 5: FIRE FIGHTING MEASURES

**Flammability:** Not flammable by WHMIS/OSHA criteria.

**Means of Extinction:**

**Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** May include, and are not limited to: oxides of carbon and phenolics.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

**Protection of Firefighters:** Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Clean-Up:** Scoop up material and place in a disposal container. Residual product may be removed using steam or hot soapy water.

**Other Information:** Not available.

## Section 7: HANDLING AND STORAGE

**Handling:**
Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

**Storage:**
Keep out of the reach of children. Keep container tightly closed. Store between 10 °C (50 °F) and 25 °C (77 °F).

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

| Ingredient | Exposure Limits OSHA-PEL | Exposure Limits ACGIH-TLV |
|---|---|---|
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | Not available. | Not available. |
| Fiberglass | 15 mg/m³ | 10 mg/m³ |

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

**Personal Protective Equipment:**

**Eye/Face Protection:** Wear eye/face protection.

**Hand Protection:** Wear suitable gloves.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | Not available. |
| **Color:** | Orange. |
| **Odour:** | Slight epoxy odour. |
| **Odour Threshold:** | Not available. |
| **Physical State:** | Liquid. |
| **pH:** | Not available. |
| **Viscosity:** | Not available. |
| **Freezing Point:** | Not available. |
| **Boiling Point:** | Not available. |
| **Flash Point:** | ~ 254.5 °C (~ 490 °F) |
| **Evaporation Rate:** | Not available. |
| **Lower Flammability Limit:** | Not available. |
| **Upper Flammability Limit:** | Not available. |
| **Vapor Pressure:** | Not available. |
| **Vapor Density:** | Not available. |
| **Specific Gravity:** | 1.5623 |
| **Solubility in Water:** | Not available. |
| **Coefficient of Water/Oil Distribution:** | Not available. |
| **Auto-ignition Temperature:** | Not available. |

**Percent Volatile, wt. %:** Not available.

**VOC content, wt. %:** Not available.

## Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions.

**Conditions of Reactivity:** Heat. Incompatible materials.

**Incompatible Materials:** Acids. Amines. Bases. Oxidizers.

**Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon and phenolics.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur by itself, but masses of more that 0.5 Kg of product, plus an aliphatic amine will cause irreversible polymerization with considerable heat build up.

## Section 11: TOXICOLOGY INFORMATION

### EFFECTS OF ACUTE EXPOSURE

**Component Analysis**

| Ingredient | $LD_{50}$ (oral) | $LC_{50}$ |
|---|---|---|
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | 11400 mg/kg , rat | Not available. |
| Fiberglass | Not available. | Not available. |

**Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin:** May cause skin irritation. May cause sensitisation by skin contact. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Inhalation:** May cause respiratory tract irritation.

### EFFECTS OF CHRONIC EXPOSURE

**Target Organs:** Not available.

**Chronic Effects:** Not hazardous by WHMIS/OSHA criteria.

**Carcinogenicity:** Not hazardous by WHMIS/OSHA criteria.

| Ingredient | Chemical Listed as Carcinogen or Potential Carcinogen * |
|---|---|
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | Not listed. |
| Fiberglass | G-A4, I-3 |

* See Section 15 for more information.

**Mutagenicity:** Not hazardous by WHMIS/OSHA criteria.

**Reproductive Effects:** Not hazardous by WHMIS/OSHA criteria.

**Developmental Effects:**

**Teratogenicity:** Not hazardous by WHMIS/OSHA criteria.

**Embryotoxicity:** Not hazardous by WHMIS/OSHA criteria.

**Respiratory Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Skin Sensitization:** Hazardous by WHMIS/OSHA criteria.

**Toxicologically Synergistic Materials:** Not available.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

## Section 13: DISPOSAL CONSIDERATIONS

**Disposal Instructions:**
Burn in an adequate incinerator. This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## Section 14: TRANSPORTATION INFORMATION

**DOT Classification**
ORM-D

**TDG Classification**
Limited Quantity

## Section 15: REGULATORY INFORMATION

**Federal Regulations**

**Canadian:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**US:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

**SARA Title III**

| Ingredient | Section 302 (EHS) TPQ (lbs.) | Section 304 EHS RQ (lbs.) | CERCLA RQ (lbs.) | Section 313 |
|---|---|---|---|---|
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | Not listed. | Not listed. | Not listed. | Not listed. |
| Fiberglass | Not listed. | Not listed. | Not listed. | Not listed. |

**State Regulations**

**California Proposition 65:**
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Global Inventories**

| Ingredient | Canada DSL/NDSL | USA TSCA |
|---|---|---|
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | DSL | Yes. |
| Fiberglass | DSL | Yes. |

**HMIS - Hazardous Materials Identification System**

**Health -** 2* **Flammability -** 1 **Physical Hazard -** 0 **PPE –** B

**NFPA - National Fire Protection Association:**

**Health -** 2 **Fire -** 1 **Reactivity -** 0

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**WHMIS Classification(s):**
Class D2B - Skin Sensitization
Class D2B - Skin/Eye Irritant

**WHMIS Hazard Symbols:**

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**OSHA (O)** Occupational Safety and Health Administration.

**ACGIH (G)** American Conference of Governmental Industrial Hygienists.
A1 - Confirmed human carcinogen.
A2 - Suspected human carcinogen.
A3 - Animal carcinogen.
A4 - Not classifiable as a human carcinogen.
A5 - Not suspected as a human carcinogen.

**IARC (I)** International Agency for Research on Cancer.
1 - The agent (mixture) is carcinogenic to humans.
2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)** National Toxicology Program.
1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

## Section 16: OTHER INFORMATION

**Disclaimer:**
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

**Expiry Date:** January 25, 2014

**Version #:** 1.0

**Prepared by:** Nexreg Compliance Inc.
Phone: (519) 488-5126
www.nexreg.com

# MATERIAL SAFETY DATA SHEET

H.M. Epoxiglas Bond Kit - Part B

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **Product Name:** | H.M. Epoxiglas Bond Kit - Part B |
| **Product Number:** | H1917 |
| **Product Use:** | Potting and Encapsulating compound. |
| **Manufacturer/Supplier:** | Hubbell Power Systems<br>210 North Allen Street<br>Centralia, MO.<br>65240 |
| **Phone Number:** | (573) 682-8465 |
| **Emergency Phone:** | (573) 682-8465 |
| **Date of Preparation:** | January 25, 2011 |

## Section 2: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW**

DANGER

CORROSIVE MATERIAL - CAUSES BURNS.

**Potential Health Effects:** See Section 11 for more information.

**Likely Routes of Exposure:** Skin contact, skin absorption, eye contact, inhalation, and ingestion.

**Eye:** Causes burns.

**Skin:** Causes burns. May cause sensitisation by skin contact.

**Ingestion:** Causes burns. May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Inhalation:** May cause respiratory tract irritation.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Irritating to respiratory tract.

**Medical Conditions Aggravated By Exposure:** Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions.

**Target Organs:** Skin, eyes, gastrointestinal tract and respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**Potential Environmental Effects:** May cause long-term adverse effects in the aquatic environment. See Section 12 for more information.

## Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | CAS # | Wt. % |
|---|---|---|
| Diethylenetriamine | 111-40-0 | 10 - 30 |
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | 25068-38-6 | 10 - 30 |
| Fiberglass | 65997-17-3 | 60 - 100 |

## Section 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

**Note to Physicians:** Symptoms may not appear immediately.

## Section 5: FIRE FIGHTING MEASURES

**Flammability:** Not flammable by WHMIS/OSHA criteria.

**Means of Extinction:**

**Suitable Extinguishing Media:** Powder, water spray, foam, carbon dioxide.

**Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** May include, and are not limited to: oxides of carbon, oxides of nitrogen.

**Explosion Data:**

**Sensitivity to Mechanical Impact:** Not available.

**Sensitivity to Static Discharge:** Not available.

**Protection of Firefighters:** Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## Section 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Clean-Up:** Scoop up material and place in a disposal container. Residual product may be removed using steam or hot soapy water."

**Other Information:** Not available.

## Section 7: HANDLING AND STORAGE

**Handling:**
Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

**Storage:**
Keep out of the reach of children. Keep container tightly closed and dry. Store between 10 °C (50 °F) and 25 °C (77 °F).

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

| Ingredient | Exposure Limits OSHA-PEL | Exposure Limits ACGIH-TLV |
|---|---|---|
| Diethylenetriamine | Not available. | 1 ppm |
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | Not available. | Not available. |
| Fiberglass | 15 mg/m³ | 10 mg/m³ |

**Engineering Controls:** Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

**Personal Protective Equipment:**

**Eye/Face Protection:** Wear eye/face protection.

**Hand Protection:** Wear suitable gloves.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | Opaque. |
| **Color:** | Not available. |
| **Odour:** | Slight amine odour. |
| **Odour Threshold:** | Not available. |
| **Physical State:** | Liquid. |
| **pH:** | 10-12 |
| **Viscosity:** | Not available. |
| **Freezing Point:** | Not available. |
| **Boiling Point:** | Not available. |
| **Flash Point:** | ~ 98.9 °C (~ 210 °F) |
| **Evaporation Rate:** | Not available. |
| **Lower Flammability Limit:** | Not available. |
| **Upper Flammability Limit:** | Not available. |
| **Vapor Pressure:** | Not available. |
| **Vapor Density:** | Not available. |
| **Specific Gravity:** | 1.7127 |
| **Solubility in Water:** | Not available. |
| **Coefficient of Water/Oil Distribution:** | Not available. |

**Auto-ignition Temperature:** Not available.

**Percent Volatile, wt. %:** Not available.

**VOC content, wt. %:** Not available.

## Section 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions.

**Conditions of Reactivity:** Heat. Incompatible materials.

**Incompatible Materials:** Can react vigorously with strong oxidizing agents, strong mineral acid, and strong mineral and organic bases, especially primary and secondary aliphatic amines.

**Hazardous Decomposition Products:** May include, and are not limited to: oxides of carbon, oxides of nitrogen.

**Possibility of Hazardous Reactions:** No dangerous reaction known under conditions of normal use.

## Section 11: TOXICOLOGY INFORMATION

### EFFECTS OF ACUTE EXPOSURE

**Component Analysis**

| Ingredient | $LD_{50}$ (oral) | $LC_{50}$ |
|---|---|---|
| Diethylenetriamine | 819 mg/kg, rat | Not available. |
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | 11400 mg/kg , rat | Not available. |
| Fiberglass | Not available. | Not available. |

**Eye:** Causes burns. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin:** Causes burns. May cause sensitisation by skin contact. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

**Ingestion:** Causes burns. May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

**Inhalation:** May cause respiratory tract irritation. Irritating to respiratory tract.

### EFFECTS OF CHRONIC EXPOSURE

**Target Organs:** Not available.

**Chronic Effects:** Not hazardous by WHMIS/OSHA criteria.

**Carcinogenicity:** Not hazardous by WHMIS/OSHA criteria.

| Ingredient | Chemical Listed as Carcinogen or Potential Carcinogen * |
|---|---|
| Diethylenetriamine | Not listed. |
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | Not listed. |
| Fiberglass | G-A4, I-3 |

* See Section 15 for more information.

**Mutagenicity:** Not hazardous by WHMIS/OSHA criteria.

**Reproductive Effects:** Not hazardous by WHMIS/OSHA criteria.

**Developmental Effects:**

**Teratogenicity:** Not hazardous by WHMIS/OSHA criteria.

**Embryotoxicity:** Not hazardous by WHMIS/OSHA criteria.

**Respiratory Sensitization:** Not hazardous by WHMIS/OSHA criteria.

**Skin Sensitization:** Hazardous by WHMIS/OSHA criteria.

**Toxicologically Synergistic Materials:** Not available.

## Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment.

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

## Section 13: DISPOSAL CONSIDERATIONS

**Disposal Instructions:**
Burn in an adequate incinerator. This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## Section 14: TRANSPORTATION INFORMATION

**DOT Classification**
ORM-D

**TDG Classification**
Limited Quantity

## Section 15: REGULATORY INFORMATION

**Federal Regulations**

**Canadian:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**US:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

**SARA Title III**

| Ingredient | Section 302 (EHS) TPQ (lbs.) | Section 304 EHS RQ (lbs.) | CERCLA RQ (lbs.) | Section 313 |
|---|---|---|---|---|
| Diethylenetriamine | Not listed. | Not listed. | Not listed. | Not listed. |
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | Not listed. | Not listed. | Not listed. | Not listed. |
| Fiberglass | Not listed. | Not listed. | Not listed. | Not listed. |

**State Regulations**

**California Proposition 65:**
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**Global Inventories**

| Ingredient | Canada DSL/NDSL | USA TSCA |
|---|---|---|
| Diethylenetriamine | DSL | Yes. |
| 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane | DSL | Yes. |
| Fiberglass | DSL | Yes. |

**HMIS - Hazardous Materials Identification System**

**Health -** 3* **Flammability -** 1 **Physical Hazard -** 0 **PPE –** B

**NFPA - National Fire Protection Association:**

**Health -** 3 **Fire -** 1 **Reactivity -** 0

**Hazard Rating:** 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

**WHMIS Classification(s):**
Class D2B - Skin Sensitization
Class E - Corrosive Material

**WHMIS Hazard Symbols:**

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

**OSHA (O)** Occupational Safety and Health Administration.

**ACGIH (G)** American Conference of Governmental Industrial Hygienists.
A1 - Confirmed human carcinogen.
A2 - Suspected human carcinogen.
A3 - Animal carcinogen.
A4 - Not classifiable as a human carcinogen.
A5 - Not suspected as a human carcinogen.

**IARC (I)** International Agency for Research on Cancer.
1 - The agent (mixture) is carcinogenic to humans.
2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.
2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals.
3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.
4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

**NTP (N)** National Toxicology Program.
1 - Known to be carcinogens.
2 - Reasonably anticipated to be carcinogens.

## Section 16: OTHER INFORMATION

**Disclaimer:**
The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

**Expiry Date:** January 25, 2014

**Version #:** 1.0

**Prepared by:** Nexreg Compliance Inc.
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