

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part A

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Epoxi-Sand Kit Part A  
**Product Number:** H1921  
**Product Use:** Adhesive.  
**Manufacturer/Supplier:** Chance Company  
210 North Allen Street  
Centralia, Missouri U.S.A  
**Phone Number:** (573) 682-8465  
**Emergency Phone:** (573) 682-8465  
**Date of Preparation:** December 5, 2014

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

WARNING

IRRITATING TO EYES. IRRITATING TO SKIN. MAY CAUSE SKIN SENSITIZATION. MAY CAUSE REPRODUCTIVE TOXICITY. MAY CAUSE TERATOGENICITY AND EMBRYOTOXICITY.

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

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

**Eye:** Irritating to eyes.  
**Skin:** Irritating to skin. May cause sensitization by skin contact.  
**Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.  
**Inhalation:** May cause respiratory tract irritation.

**Chronic Effects:** Contains ingredients known or suspected to be teratogenic and embryotoxic.

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. 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:** 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. %
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	25068-38-6	60 - 100
Dibutyl phthalate	84-74-2	10 - 30

## Section 4: FIRST AID MEASURES

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

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

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**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical advice/attention if you feel unwell.

**Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

**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 criteria.

**Means of Extinction:**

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

**Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** Thermal-oxidative decomposition may yield toxic vapors and gases, including carbon dioxide, carbon monoxide, aldehydes, and acids from incomplete combustion.

**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. Provide ventilation.

**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.

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## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Ingredient	Exposure Limits ACGIH-TLV
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	Not available.
Dibutyl phthalate	5 mg/m <sup>3</sup>

**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

<b>Appearance:</b>	Viscous.
<b>Colour:</b>	Orange.
<b>Odour:</b>	Slight odour.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>pH:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	> 200 °C (> 392 °F)
<b>Flash Point:</b>	~ 204 °C (~ 399.2 °F) TCC
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not available.
<b>Upper Flammability Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Specific Gravity:</b>	Not available.
<b>Solubility in Water:</b>	Not available.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	~ 372 °C (~ 701.6 °F)
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. %:</b>	Not available.

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part A

## Section 10: STABILITY AND REACTIVITY

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

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

**Incompatible Materials:** Oxidizers. Strong acids. Bases. Mercaptans.

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

**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 <sub>50</sub> (oral)	LC <sub>50</sub>
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane	13600 mg/kg , rat	Not available.
Dibutyl phthalate	6300 mg/kg, rat	> 15.68 mg/L 4hr, rat

**Eye:** Irritating to eyes. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

**Skin:** Irritating to skin. May cause sensitization 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 criteria.

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

#### Ingredient

#### Chemical Listed as Carcinogen or Potential Carcinogen \*

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane  
Dibutyl phthalate

Not listed.

Not listed.

\* See Section 15 for more information.

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

**Reproductive Effects:** Hazardous by WHMIS criteria.

#### Developmental Effects:

**Teratogenicity:** Hazardous by WHMIS criteria.

**Embryotoxicity:** Hazardous by WHMIS criteria.

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

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

**Toxicologically Synergistic Materials:** Not available.

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## 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:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## Section 14: TRANSPORTATION INFORMATION

### TDG Classification

UN3082; Environmentally hazardous substance, liquid, n.o.s. (Dibutyl phthalate); Class 9; PG III Limited Quantity ( $\leq 5L$ )

## Section 15: REGULATORY INFORMATION

### Federal Regulations

**Canada:** 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.

### Global Inventories

#### Ingredient

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane  
Dibutyl phthalate

**Canada  
DSL/NDSL**  
DSL  
DSL

### 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 D2A - Reproductive Toxicity  
Class D2A - Teratogenicity and Embryotoxicity  
Class D2B - Skin Sensitization  
Class D2B - Skin/Eye Irritant

### WHMIS Hazard Symbols:



# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part A

## SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

**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:** December 5, 2017

**Version #:** 2.0

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

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part B

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Epoxi-Sand Kit Part B  
**Product Number:** H1921  
**Product Use:** Adhesive.  
**Manufacturer/Supplier:** Hubbell Power Systems  
210 North Allen Street  
Centralia, MO  
65240  
**Phone Number:** (573) 682-8465  
**Emergency Phone:** (573) 682-8465  
**Date of Preparation:** December 5, 2014

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

DANGER

VERY TOXIC BY INHALATION. VERY TOXIC IN CONTACT WITH SKIN. VERY TOXIC IF SWALLOWED. CORROSIVE MATERIAL - CAUSES BURNS. MAY CAUSE SKIN SENSITIZATION.

**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:** Very toxic in contact with skin. Causes burns. May cause sensitization by skin contact.  
**Ingestion:** Causes burns. Very toxic if swallowed. May cause stomach distress, nausea or vomiting.  
**Inhalation:** Very toxic by inhalation. May cause respiratory tract irritation.

**Chronic Effects:** Prolonged and/or repeated contact may cause severe dermatitis and /or more serious skin disorders.

**Signs and Symptoms:** May cause serious chemical burns. Severe irritation, redness and pain.

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

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

**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
Phenol	108-95-2	1 - 5

## 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.

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part B

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. 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. Get medical advice/attention if you feel unwell.

**Ingestion:** If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention or call poison control immediately.

**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 criteria.

**Means of Extinction:**

**Suitable Extinguishing Media:** Treat for surrounding material.

**Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** Combustion may yield toxic vapors and gases which 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. Provide ventilation.

**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. Do not store at temperatures above 49 °C / 120 °F.



# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part B

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Ingredient	Exposure Limits ACGIH-TLV
Diethylenetriamine	1 ppm
Phenol	5 ppm

**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

<b>Appearance:</b>	Not available.
<b>Colour:</b>	Yellow.
<b>Odour:</b>	Characteristic.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>pH:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Freezing Point:</b>	Not available.
<b>Boiling Point:</b>	Not available.
<b>Flash Point:</b>	> 93 °C (> 199.4 °F) Setaflash Closed Cup
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	1.8%
<b>Upper Flammability Limit:</b>	8.6%
<b>Vapor Pressure:</b>	<1 mm Hg @ 20°C (68°F)
<b>Vapor Density:</b>	> 1 (Air = 1)
<b>Specific Gravity:</b>	Not available.
<b>Solubility in Water:</b>	Not available.
<b>Coefficient of Water/Oil Distribution:</b>	Not available.
<b>Auto-ignition Temperature:</b>	~ 358 °C (~ 676.4 °F)
<b>Percent Volatile, wt. %:</b>	Not available.
<b>VOC content, wt. %:</b>	Not available.

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part B

## Section 10: STABILITY AND REACTIVITY

**Stability:** Reacts with CO<sub>2</sub> in air.

**Conditions of Reactivity:** Heat. Incompatible materials. Do not mix Epoxy resin and Part B without planning for the development of exothermic heat.

**Incompatible Materials:** Strong oxidizers. Lewis and mineral acids. Copper.

**Hazardous Decomposition Products:** Combustion may yield toxic vapors and gases which 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 <sub>50</sub> (oral)	LC <sub>50</sub>
Diethylenetriamine	1080 mg/kg, rat	Not available.
Phenol	317 mg/kg, rat	> 900 mg/m <sup>3</sup> 8hr, rat

**Eye:** Causes burns. May cause serious chemical burns. Severe irritation, redness and pain.

**Skin:** Very toxic in contact with skin. Causes burns. May cause sensitization by skin contact. May cause serious chemical burns. Severe irritation, redness and pain.

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

**Inhalation:** Very toxic by inhalation. May cause respiratory tract irritation.

### EFFECTS OF CHRONIC EXPOSURE

**Target Organs:** Not available.

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

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

#### Ingredient

#### Chemical Listed as Carcinogen or Potential Carcinogen \*

Diethylenetriamine  
Phenol

Not listed.  
G-A4, I-3

\* See Section 15 for more information.

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

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

#### Developmental Effects:

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

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

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

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

**Toxicologically Synergistic Materials:** Not available.

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part B

## 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:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## Section 14: TRANSPORTATION INFORMATION

### TDG Classification

UN2922, Corrosive Liquid, Toxic, N.O.S. (Diethylenetriamine, Phenol), Class 8 (6.1), PG II Limited Quantity ( $\leq 0.5L$ )

## Section 15: REGULATORY INFORMATION

### Federal Regulations

**Canada:** 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.

### Global Inventories

#### Ingredient

Diethylenetriamine  
Phenol

**Canada  
DSL/NDSL**  
DSL  
DSL

### HMIS - Hazardous Materials Identification System

Health - 3\*

Flammability - 1

Physical Hazard - 1

PPE - B

### NFPA - National Fire Protection Association:

Health - 3

Fire - 1

Reactivity - 1

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

### WHMIS Classification(s):

Class D1A - Very Toxic Material

Class D2B - Skin Sensitization

Class E - Corrosive Material

### WHMIS Hazard Symbols:



# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part B

## SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

**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:** December 5, 2017

**Version #:** 2.0

**Prepared by:** Nexreg Compliance Inc.

Phone: (519) 488-5126

[www.nexreg.com](http://www.nexreg.com)

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part C

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Epoxi-Sand Kit Part C  
**Product Number:** H1921  
**Product Use:** Adhesive.  
**Manufacturer/Supplier:** Chance Company  
210 North Allen Street  
Centralia, Missouri U.S.A  
**Phone Number:** (573) 682-8465  
**Emergency Phone:** (573) 682-8465  
**Date of Preparation:** December 5, 2014

## Section 2: HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

CAUTION

MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION. MAY CAUSE CANCER. MAY CAUSE CHRONIC LUNG DAMAGE.

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

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

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

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

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

**Chronic Effects:** Prolonged or repeated exposure to this chemical may cause cancer. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a scarring of the lungs. This disease may be disabling as it reduces lung capacity. The risk of contracting silicosis and the severity of the disease is related to the amount of dust exposure and the length of time (usually years) of exposure.

**Signs and Symptoms:** Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Fatigue, weakness, shortness of breath, chest pain, weight loss. Eventually if disease progresses enough then respiratory failure will likely occur.

**Medical Conditions Aggravated By Exposure:** Asthma. Allergies. Pre-existing lung disease.

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

**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. %
Silica, crystalline, quartz	14808-60-7	60 - 100

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part C

## Section 4: FIRST AID MEASURES

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
- 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. Get medical attention.
- Ingestion:** If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
- 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 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.
- 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. Provide ventilation.
- 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.

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part C

## Storage:

Keep out of the reach of children. Keep container tightly closed. Do not store at temperatures above 49 °C / 120 °F.

## Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

#### Ingredient

Silica, crystalline, quartz

#### Exposure Limits

ACGIH-TLV

0.025 mg/m<sup>3</sup>

**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:** A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

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

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Powder.
<b>Colour:</b>	White to tan.
<b>Odour:</b>	Odourless.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>pH:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Freezing Point:</b>	~ 1610 °C (~ 2930 °F)
<b>Boiling Point:</b>	~ 2230 °C (~ 4046 °F)
<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Lower Flammability Limit:</b>	Not available.
<b>Upper Flammability Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Specific Gravity:</b>	2.65
<b>Solubility in Water:</b>	Not available.

# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part C

**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:** Oxidizers. Strong alkalis. Hydrofluoric acid. Oxygen difluoride. Manganese trifluoride. Fluorine and its compounds.

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

**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 <sub>50</sub> (oral)	LC <sub>50</sub>
Silica, crystalline, quartz	500 mg/kg, rat	Not available.

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

**Skin:** May cause skin irritation. 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:** Lungs.

**Chronic Effects:** Hazardous by WHMIS criteria.

**Carcinogenicity:** Hazardous by WHMIS criteria.

#### Ingredient

**Chemical Listed as Carcinogen or Potential Carcinogen \***  
G-A2, I-1, N-1

Silica, crystalline, quartz

\* See Section 15 for more information.

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

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

#### Developmental Effects:

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

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

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

**Skin Sensitization:** Not hazardous by WHMIS criteria.

**Toxicologically Synergistic Materials:** Not available.



# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part C

## 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:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

## Section 14: TRANSPORTATION INFORMATION

### TDG Classification

Not regulated

## Section 15: REGULATORY INFORMATION

### Federal Regulations

**Canada:** 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.

### Global Inventories

#### Ingredient

Silica, crystalline, quartz

**Canada  
DSL/NDSL  
DSL**

### HMIS - Hazardous Materials Identification System

Health - 1\*

Flammability - 0

Physical Hazard - 0

PPE - B

### NFPA - National Fire Protection Association:

Health - 1

Fire - 0

Reactivity - 0

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

### WHMIS Classification(s):

Class D2A - Carcinogenicity

Class D2A - Chronic Toxic Effects

### WHMIS Hazard Symbols:



# MATERIAL SAFETY DATA SHEET

Epoxi-Sand Kit Part C

## SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

**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.

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