



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 02-Nov-2018

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** NEW GENERATION EPOXY PATCH & REPAIR KIT PART B  
**Product Number:** 5865B  
**Recommended Use:** Concrete patch  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

**24 Hour Emergency Phone Numbers:**

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Acute Toxicity - Oral: Category 4  
Acute Toxicity - Dermal: Category 4  
Acute toxicity - Inhalation (Dusts/Mists) Category 4  
Skin Corrosion/Irritation: Category 1  
Serious Eye Damage/Eye Irritation: Category 1  
Respiratory Sensitization: Category 1  
Skin Sensitization: Category 1  
Reproductive Toxicity: Category 2  
Specific Target Organ Toxicity (Single Exposure): Category 3  
Specific Target Organ Toxicity (Repeated Exposure): Category 1

**GHS Label Elements**

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Harmful if swallowed.  
Harmful in contact with skin  
Harmful if inhaled.  
Causes severe skin burns and serious eye damage.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause an allergic skin reaction  
Suspected of damaging fertility or the unborn child  
May cause respiratory irritation. May cause drowsiness or dizziness

**Precautionary Statements:**

<b>Prevention:</b>	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Wear eye / face protection Wear protective gloves In case of inadequate ventilation wear respiratory protection Wash hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area Do not breathe mist, vapors or spray. Contaminated work clothing should not be allowed out of the workplace
<b>Response:</b>	<b>IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. If exposed or concerned: Get medical attention.</b>
<b>-Eyes</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Skin</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash with plenty of soap and water Wash contaminated clothing before reuse. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. If skin irritation or rash occurs: Get medical attention.
<b>-Inhalation:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. If experiencing respiratory symptoms: Call a poison center or physician.
<b>-Ingestion:</b>	IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Rinse mouth. Do NOT induce vomiting.
<b>-Specific Treatment:</b>	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
<b>Storage:</b>	Store locked up. Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal:</b>	Dispose of contents and container in accordance with local, state and federal regulations.
<b>Hazards Not Otherwise Classified:</b>	Not Applicable
<b>Other Information:</b>	• Keep out of reach of children.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isophorone Diamine	2855-13-2	10-30
Benzyl Alcohol	100-51-6	10-30
Alkylphenol	PROPRIETARY	10-30
Amine-Epoxy Resin Adduct	PROPRIETARY	10-30

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Skin Contact:</b>	Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. Gently wash with plenty of soap and water IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.
<b>-Inhalation:</b>	IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing If experiencing respiratory symptoms: Call a poison center or physician.
<b>-Ingestion:</b>	IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
<b>Note to Physicians:</b>	May cause sensitization by inhalation and skin contact.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion, Use extinguishing agent suitable for type of surrounding fire
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep from freezing.
<b>Suggested Shelf Life:</b>	1 year from date of manufacture.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Occupational Exposure Limits:</b>	None established.
<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
<b><u>Personal Protective Equipment</u></b>	
<b>Eye/Face Protection:</b>	Wear splash goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves.
<b>Respiratory Protection:</b>	Ensure adequate ventilation, especially in confined areas In case of insufficient ventilation, wear suitable respiratory equipment Respirator selection must be made by a technically qualified person who is familiar with the specific work conditions.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	light brown
<b>Odor:</b>	Ammonia odor
<b>pH:</b>	Not applicable
<b>Melting Point / Freezing Point:</b>	No information available.
<b>Boiling Point / Boiling Range:</b>	> 205 °C / 401 °F
<b>Flash Point:</b>	> 100 °C / > 212 °F Estimated
<b>Evaporation Rate:</b>	< 1 (Butyl acetate = 1)
<b>Flammability (solid, gas)</b>	No information available.
<b>Upper Flammability Limit:</b>	No information available.
<b>Lower Flammability Limit:</b>	No information available.
<b>Vapor Pressure:</b>	No information available.
<b>Vapor Density:</b>	No information available.
<b>Specific Gravity:</b>	1.01
<b>Solubility(ies):</b>	Insoluble
<b>Partition Coefficient:</b>	No information available.
<b>Autoignition Temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight.
<b>Incompatible Materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
<b>-Skin Contact:</b>	Pain, redness, blistering and possible chemical burn. May cause sensitization by skin contact
<b>-Inhalation:</b>	Nasal discomfort and coughing. May cause sensitization by inhalation.
<b>-Ingestion:</b>	Pain, nausea, vomiting and diarrhea.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.
<b>Chronic Toxicity:</b>	Contains a known or suspected reproductive toxin. Repeated skin contact may lead to irritation and to sensitization, possible with cross-sensitization to other epoxies. Contains a known or suspected respiratory sensitizer.

### Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.

ATEmix (oral):	815 mg/kg
ATEmix (dermal):	1294 mg/kg
ATEmix (inhalation-dust/mist):	4.5 mg/l

### Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isophorone Diamine 2855-13-2	= 1030 mg/kg ( Rat )	Not Available	Not Available
Benzyl Alcohol 100-51-6	= 1230 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	= 8.8 mg/L ( Rat ) 4 h

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Isophorone Diamine 2855-13-2	37: 72 h Desmodesmus subspicatus mg/L EC50	Not Available	Not Available	14.6 - 21.5: 48 h Daphnia magna mg/L EC50 semi-static
Benzyl Alcohol 100-51-6	Not Available	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	23: 48 h water flea mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Other Adverse Effects:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

## 14. TRANSPORT INFORMATION

**DOT:**

**UN/ID No:** UN 2735

**Proper Shipping Name:** Polyamine, Liquid, Corrosive, n.o.s.,(Isophorone Diamine)

**Hazard Class:** 8

**Packing Group:** III

**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**UN/ID No:** UN 2735

**Proper Shipping Name:** Polyamine, Liquid, Corrosive, n.o.s.,(Isophorone Diamine)

**Hazard Class:** 8

**Packing Group:** III

## 15. REGULATORY INFORMATION

**TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**

This product does not contain listed substances above the "de minimus" level

**SARA 311/312 Hazard Categories**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** Yes

**Fire Hazard:** No

**Sudden release of pressure hazard:** No

**Reactive Hazard:** No

**California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

**16. OTHER INFORMATION**

**NFPA**                      **Health Hazards: 3**      **Flammability: 1**      **Instability: 0**      **Special: N/A**  
**HMIS**                      **Health Hazards: 3\***      **Flammability: 1**      **Physical Hazards: 0**

**Revision Date:**                      02-Nov-2018  
**Reasons for Revision:**              Section 2, 3, 4, 5, 7, 8, 9, 11, 12, 14, and 16

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**