

# Safety Data Sheet

Issue Date: 13-Mar-2020

Revision Date: 01-Sep-2024

Version 2

## 1. IDENTIFICATION

### Product identifier

**Product Name** 8447 Inter-Mix 5 Hi Stress Epoxy Resin

### Other means of identification

**SDS #** IES-FO8447RGBN

### Recommended use of the chemical and restrictions on use

**Recommended Use** Repair Adhesive/Surfacer.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

International Epoxies & Sealers  
30241 Commerce Drive  
San Antonio, FL 33576

### Emergency telephone number

**Company Phone Number** 1-800-451-7206  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1

### Signal Word

**Warning**

### Hazard statements

Causes skin irritation  
Causes serious eye irritation  
May cause an allergic skin reaction



### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention

IF ON SKIN: Wash with plenty of water and soap

Take off contaminated clothing and wash before reuse.

If skin irritation or rash occurs: Get medical advice/attention

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Bisphenol A Diglycidyl Ether	25068-38-6	60-65
Calcium Carbonate	471-34-1	25-30
Soda lime borosilicate glass	65997-17-3	5-10
Carbon Black	1333-86-4	0.1-1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**Description of first aid measures**

<b>Eye Contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Skin Contact</b>	Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Not determined.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions**

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on Safe Handling** Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Calcium Carbonate 471-34-1	-	-	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Soda lime borosilicate glass 65997-17-3	TWA: 1 fiber/cm <sup>3</sup> respirable fibers: length >5 μm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m <sup>3</sup> inhalable fraction	-	-
Carbon Black 1333-86-4	TWA: 3 mg/m <sup>3</sup> inhalable particulate matter	TWA: 3.5 mg/m <sup>3</sup> (vacated) TWA: 3.5 mg/m <sup>3</sup>	IDLH: 1750 mg/m <sup>3</sup> TWA: 3.5 mg/m <sup>3</sup> TWA: 0.1 mg/m <sup>3</sup> Carbon black in presence of Polycyclic aromatic hydrocarbons PAH

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Refer to 29 CFR 1910.133 for eye and face protection regulations.
<b>Skin and Body Protection</b>	Refer to 29 CFR 1910.138 for appropriate skin and body protection.
<b>Respiratory Protection</b>	Refer to 29 CFR 1910.134 for respiratory protection requirements.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical state</b>	Paste	<b>Odor</b>	Mild
<b>Appearance</b>	Not determined	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Black		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	No data available		
<b>Melting point / freezing point</b>	No data available		
<b>Initial boiling point and boiling range</b>	No data available		
<b>Flash point</b>	No data available		
<b>Evaporation Rate</b>	Not determined		
<b>Flammability (Solid, Gas)</b>	Not determined		
<b>Flammability Limit in Air</b>			
<b>Upper flammability or explosive limits</b>	No data available		
<b>Lower flammability or explosive limits</b>	No data available		
<b>Vapor Pressure</b>	Not determined		
<b>Vapor Density</b>	No data available		
<b>Relative Density</b>	6.1 – 6.6 lbs per gal		
<b>Water Solubility</b>	Not determined		
<b>Solubility in other solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Autoignition temperature</b>	No data available		
<b>Hyphen</b>	Not determined		
<b>Kinematic viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	Not determined		
<b>Oxidizing Properties</b>	Not determined		

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Eye Contact** Avoid contact with eyes.**Skin Contact** Avoid contact with skin.**Inhalation** Do not inhale.**Ingestion** Do not ingest.**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Bisphenol A Diglycidyl Ether 25068-38-6	= 11400 mg/kg ( Rat )	-	-
Calcium Carbonate 471-34-1	= 6450 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 3 mg/L ( Rat ) 4 h
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane 2530-83-8	= 7.01 g/kg ( Rat )	= 3.97 mL/kg ( Rabbit )	> 5.3 mg/L ( Rat ) 4 h
bisphenol A epoxy resin 25068-38-6	= 11400 mg/kg ( Rat )	-	-
Benzyl alcohol 100-51-6	= 1230 mg/kg ( Rat )	= 2 g/kg ( Rabbit )	> 4178 mg/m <sup>3</sup> ( Rat ) 4 h
Carbon Black 1333-86-4	> 15400 mg/kg ( Rat )	-	> 4.6 mg/m <sup>3</sup> ( Rat ) 4 h
Light aromatic petroleum naphtha 64742-95-6	= 8400 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 3400 ppm ( Rat ) 4 h

**Symptoms related to the physical, chemical and toxicological characteristics****Symptoms** Please see section 4 of this SDS for symptoms.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation** Causes skin irritation.**Serious eye damage/eye irritation** Causes serious eye irritation.**Sensitization** May cause an allergic skin reaction.**Carcinogenicity** Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.**Numerical measures of toxicity****The following values are calculated based on chapter 3.1 of the GHS document****Oral LD50** >10,000 mg/kg**Dermal LD50** >10,000 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

**Component Information**

Chemical name	Algae/aquatic plants	Fish	Crustacea
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane 2530-83-8		LC50: =55mg/L (96h, Cyprinus carpio)	
Benzyl alcohol 100-51-6		LC50: =460mg/L (96h, Pimephales promelas) LC50: =10mg/L (96h, Lepomis macrochirus)	EC50: =23mg/L (48h, water flea)
Light aromatic petroleum naphtha 64742-95-6		LC50: =9.22mg/L (96h, Oncorhynchus mykiss)	EC50: =6.14mg/L (48h, Daphnia magna)

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

There is no data for this product.

**Mobility**

Not determined

**Other adverse effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Bisphenol A Diglycidyl Ether	X	ACTIVE	X	X	X	X	X	X	X
Calcium Carbonate	X	ACTIVE	X	X	X	X	X	X	X
Soda lime borosilicate glass	X	ACTIVE	X	X		X	X	X	X
Aliphatic diglycidyl ether	X	ACTIVE	X		X	X	X	X	X
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	X	ACTIVE	X	X	X	X	X	X	X
bisphenol A epoxy resin	X	ACTIVE	X	X	X	X	X	X	X
Benzyl alcohol	X	ACTIVE	X	X	X	X	X	X	X
Carbon Black	X	ACTIVE	X	X	X	X	X	X	X
Light aromatic petroleum naphtha	X	ACTIVE	X	X		X	X	X	X

**Legend:**

- TSCA* - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL* - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS* - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS* - Japan Existing and New Chemical Substances
- IECSC* - China Inventory of Existing Chemical Substances
- KECL* - Korean Existing and Evaluated Chemical Substances
- PICCS* - Philippines Inventory of Chemicals and Chemical Substances
- AICS* - Australian Inventory of Chemical Substances

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
Carbon Black - 1333-86-4	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Benzyl alcohol 100-51-6		X	X
Carbon Black 1333-86-4	X	X	X

**16. OTHER INFORMATION**

<u><b>NFPA</b></u>	<b>Health hazards</b> -	<b>Flammability</b> -	<b>Instability</b> -	<b>Special hazards</b> -
<u><b>HMIS</b></u>	<b>Health hazards</b> -	<b>Flammability</b> -	<b>Physical hazards</b> -	<b>Personal Protection</b> Not determined

Issue Date: 13-Mar-2020  
 Revision Date: 01-Sep-2024  
 Revision Note: Updated formula

**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**