

**TEAM**® Industrial Services  
**SAFETY DATA SHEET**

### 1. Identification

<b>Product identifier</b>	<b>DB-23 CAT</b>	
<b>Other means of identification</b>		
<b>Product code</b>	803-0020	
<b>Recommended use</b>	Industrial Leak Sealant.	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Company name</b>	Team Industrial Services, Inc.	
<b>Address</b>	200 Hermann Drive, Alvin, Texas 77511	
<b>Telephone</b>	Not available.	
<b>E-mail</b>	Not available.	
<b>Emergency phone number</b>	CHEMTREC - 24 HOURS:	800-424-9300 (USA)
	International:	+1 703-527-3887 (Collect)

### 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Sensitization, skin	Category 1
<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
<b>OSHA defined hazards</b>	Not classified.	
<b>Label elements</b>		



<b>Signal word</b>	Warning
<b>Hazard statement</b>	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.
<b>Precautionary statement</b>	
<b>Prevention</b>	Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.
<b>Response</b>	If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. 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.
<b>Storage</b>	None.
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	CAS number	%
Bisphenol A/ epichlorohydrin epoxy resin	25068-38-6	70-100

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

**Inhalation** In case of discomfort, move to fresh air. Get medical attention, if needed.

**Skin contact** Remove contaminated clothing. Wash immediately with soap and water for at least 15 minutes. Get medical attention promptly if symptoms persist or occur after washing. Discard contaminated shoes and clothing.

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Ingestion** Get medical attention if any discomfort occurs.

**Most important symptoms/effects, acute and delayed** Causes eye irritation. Symptoms include itching, burning, redness, and tearing of eyes. Causes skin irritation. Symptoms may include redness, drying and cracking of the skin. May cause sensitization by skin contact.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

**Suitable extinguishing media** Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Foam.

**Unsuitable extinguishing media** Water may be ineffective.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus, operated in positive pressure mode and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** Evacuate area and fight fire from a safe distance. Stop leak if you can do so without risk. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire.

**Specific methods** Move container from fire area if it can be done without risk. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out. If possible, prevent water running into sewers. Water runoff can cause environmental damage.

**General fire hazards** The product is not flammable. However: Will burn if strongly heated and when involved in fire.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Avoid contact with skin and eyes. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see Section 8 of the SDS.

**Methods and materials for containment and cleaning up** Collect and dispose of spillage as indicated in Section 13 of the SDS. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Wipe up with absorbent material (e.g. cloth, fleece). Should not be released into the environment. Never return spills in original containers for re-use. Prevent product from entering drains.

**Environmental precautions** Prevent entry into waterways, sewer, basements or confined areas. Environmental manager must be informed of all major spillages.

#### 7. Handling and storage

**Precautions for safe handling** Avoid contact with skin and eyes. Wear personal protective equipment. Avoid release to the environment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Avoid heat, sparks, open flames and other ignition sources. Store in tightly closed original container. Store in a cool and well-ventilated place. Store away from incompatible materials.

#### 8. Exposure controls/personal protection

**Occupational exposure limits** No exposure limits noted for ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

<b>Exposure guidelines</b>	No exposure standards allocated.
<b>Appropriate engineering controls</b>	General ventilation normally adequate. Ensure adequate ventilation, especially in confined areas. Provide easy access to water supply and eye wash facilities.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>Eye/face protection</b>	Wear approved chemical safety goggles. Use face shield in case of splash risk.
<b>Skin protection</b>	
<b>Hand protection</b>	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.
<b>Other</b>	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact chemical protective clothing manufacturer for specific information.
<b>Respiratory protection</b>	No personal respiratory protective equipment normally required.
	In case of inadequate ventilation, use respiratory protection.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

<b>Appearance</b>	Colorless liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Colorless.
<b>Odor</b>	Slight.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	> 500 °F (> 260 °C)
<b>Flash point</b>	> 230.0 °F (> 110.0 °C)
<b>Evaporation rate</b>	Very slow.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	0.03 mm Hg
<b>Vapor density</b>	Not available.
<b>Relative density</b>	1.16 - 1.19 (Water=1) at 25°C (77°F)
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Slightly soluble (in water).
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	The product is stable under normal conditions of use, storage and transport.

<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Exposure to heat and contact with sources of ignition. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents. Strong acids. Amines. Strong alkalis.
<b>Hazardous decomposition products</b>	During combustion: Carbon oxides. Chlorine compounds.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	May cause irritation of nose, throat and mucous membranes.
<b>Skin contact</b>	Causes skin irritation. Prolonged contact may cause redness, irritation and dry skin. May cause sensitization by skin contact.
<b>Eye contact</b>	Causes eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
<b>Ingestion</b>	Ingestion may cause irritation and malaise. May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics** Skin. Causes skin irritation. Symptoms may include redness, drying and cracking of the skin. Sensitization.

Eyes. Causes eye irritation. Contact may cause irritation with redness, tearing and pain.

### Information on toxicological effects

**Acute toxicity** Causes skin and eye irritation.

Components	Species	Test Results
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Bisphenol A/ epichlorohydrin epoxy resin (CAS 25068-38-6)

#### Acute

##### Dermal

LD50	Rat	> 2000 mg/kg
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##### Oral

LD50	Rat	> 5000 mg/kg
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**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye irritation.

### Respiratory or skin sensitization

**Respiratory sensitization** Not available.

**Skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** Not classified.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**Reproductive toxicity** Not classified.

**Specific target organ toxicity - single exposure** Not available.

**Specific target organ toxicity - repeated exposure** Not available.

**Aspiration hazard** Not classified.

**Chronic effects** May cause allergic skin reaction.

## 12. Ecological information

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Components	Species	Test Results
Bisphenol A/ epichlorohydrin epoxy resin (CAS 25068-38-6)		
Fish	LC50 Salmo gairdneri	1.5 mg/l, 96 hours
<b>Aquatic</b>		
Crustacea	EC50 Daphnia magna	2.7 mg/l, 48 hours

<b>Persistence and degradability</b>	Expected to be persistent.
<b>Bioaccumulative potential</b>	The product is not expected to bioaccumulate.
<b>Mobility in soil</b>	Expected to be mobile in soil.
<b>Other adverse effects</b>	No data available.

### 13. Disposal considerations

<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations. Do not allow runoff to sewer, waterway or ground.
<b>Hazardous waste code</b>	Not regulated.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

**DOT**

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally hazardous substances, liquid, n.o.s. (Bisphenol A/ epichlorohydrin epoxy resin)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Label(s)</b>	9
<b>Packing group</b>	III
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	8, 146, IB3, T4, TP1, TP29
<b>Packaging exceptions</b>	155
<b>Packaging non bulk</b>	203
<b>Packaging bulk</b>	241

**IATA**

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A/ epichlorohydrin epoxy resin)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	9L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

**IMDG**

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A/ epichlorohydrin epoxy resin)
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-A, S-F
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not available.

### 15. Regulatory information

<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.  CERCLA/SARA Hazardous Substances - Not applicable.
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## 16. Other information, including date of preparation or last revision

**Issue date** 24-March-2015  
**Revision date** -  
**Version #** 01  
**Further information** HMIS® is a registered trade and service mark of the NPCA.  
**HMIS® ratings** Health: 2  
Flammability: 1  
Physical hazard: 0

### NFPA ratings



### References

ACGIH  
EPA: Acquire database  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
HSDB® - Hazardous Substances Data Bank  
IARC Monographs. Overall Evaluation of Carcinogenicity  
National Toxicology Program (NTP) Report on Carcinogens  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

### Disclaimer

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.