



# Safety Data Sheet

**Issuing Date** 26-Jun-2015

**Revision date** 26-Jun-2015

**Revision Number** 1

## 1. IDENTIFICATION

### Product identifier

**Product name** Plex-Bond 58-7-A

### Other means of identification

**Product Code(s)** 58-7-A

**Synonyms** No information available

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

**Recommended Use** This product contains epoxy constituents that have an average molecular weight of less than or equal to 700.

**Uses advised against** No information available

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

#### **Manufacturer Address**

Espex International, LLC  
PO Box 210817  
Royal Palm Beach, FL 33421

#### **Emergency telephone number**

**Company Phone Number** (561) 383-5654  
**Emergency telephone number** Chemtrec 800-424-9300 (Inside the USA)  
703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label elements

#### EMERGENCY OVERVIEW

**Appearance** Clear

**Physical state** Viscous liquid

**Odor** Slight ethereal

### Hazards not otherwise classified (HNOC)

Not applicable

### Other Information

Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Substance

**Formula** Not Applicable-Mixture

Chemical Name	CAS-No	Weight %	Trade secret
Bisphenol A - Epichlorohydrin polymer	25068-38-6	90 - 100%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	Remove from exposure, lie down. If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing. MAY CAUSE ALLERGIC SKIN REACTION.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately if symptoms occur.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove from exposure, lie down. If symptoms persist, call a physician.
<b>Ingestion</b>	Obtain medical attention. Drink 1 or 2 glasses of water. Induce vomiting, but only if victim is fully conscious.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

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

**Most Important Symptoms/Effects** No information available.

##### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), orfoam.

**Unsuitable extinguishing media** Decomposition by contact with water may generate vapors which can be ignited by heat or open flame.

##### Specific hazards arising from the chemical

No information available.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### 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** Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

**Other Information** Ventilate the area.

##### Environmental precautions

**Environmental precautions** Do not allow material to contaminate ground water system.

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

**Methods for containment** Dike for later disposal; do not apply water unless directed to do so.

**Methods for cleaning up** Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat, sparks and open flame. No smoking.

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

**Storage Conditions** Keep away from open flames, hot surfaces and sources of ignition. Keep tightly closed in a dry and cool place.

**Incompatible Products** Strong oxidizing agents. Amines.

**8. Exposure Controls/Personal Protection**

**Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

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

**Eye/face protection** Safety glasses with side-shields.

**Skin and body protection** Protective gloves.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General Hygiene Considerations** Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Viscous liquid	<b>Odor</b>	Slight ethereal
<b>Appearance</b>	Clear	<b>Odor threshold</b>	No information available
<b>Color</b>	No information available		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks/ • Method</u></b>
<b>PH</b>	No information available	
<b>Melting point / freezing point</b>	No information available	
<b>Boiling Point/Range</b>	107.3 °C 225 °F	
<b>Flash point</b>	No information available	
<b>Evaporation Rate</b>	No information available	
<b>Flammability (solid, gas)</b>	No information available	
<b>Flammability Limit in Air</b>		

<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>Relative Density</b>	1.15
<b>Water solubility</b>	Negligible
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Kinematic viscosity</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

**Other Information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content</b>	Negligible
<b>Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

None under normal processing.

<b>Hazardous polymerization</b>	Hazardous polymerization does not occur.
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**Conditions to avoid**

Heat, flames and sparks.

**Incompatible materials**

Strong oxidizing agents. Amines.

**Hazardous decomposition products**

Carbon oxides. Aromatic hydrocarbons. Aldehydes.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Product Information</b>	No acute toxicity information is available for this product
<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	There is no data available for this product.
<b>Skin contact</b>	There is no data available for this product.
<b>Ingestion</b>	There is no data available for this product.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Bisphenol A - Epichlorohydrin polymer 25068-38-6	11400 mg/kg ( Rat )	-	-

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.  
**MUTAGENIC EFFECTS** No information available.  
**Carcinogenicity** No information available.  
**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Chronic toxicity** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 11,400.00

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

100 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**

Based on components product is expected to be poorly eliminated from water and poorly biodegradable.

**Bioaccumulation/Accumulation**

No information available.

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste Disposal Method** Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261).

**Contaminated packaging** Do not reuse container.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**ADR** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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 Commercial Chemical Substances/EU 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

**U.S. Federal Regulations**

**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

**SARA 311/312 Hazard Categories**

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**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)

**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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:  
 Ethylbenzene 100-41-4 Benzene 71-43-2 Ethylene oxide 75-21-8 WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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

**U.S. EPA Label Information**

EPA Pesticide registration number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b><u>NFPA</u></b>	Health hazard 2	Flammability 1	Instability 0	Physical and Chemical Hazards -
<b><u>HMIS</u></b>	Health hazard 0	Flammability 0	Physical hazards 0	Personal precautions X

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**Revision note**

No information available

**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, transporta.

**End of MSDS**