



## Safety Data Sheet

# BA-400A, 430A, 460A, 500A

Issue Date: May, 2012

Revision Date: October, 2020

Version: 2

### 1. IDENTIFICATION

**Product Identifier**

**Product Name** BA 400A-430A, 460A-500A

**Other means of identification**

**SDS #** CIP-018

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

**Recommended Use** Epoxy, adhesive, coating compound

**Details of the supplier of the safety data sheet**

**Supplier Address**

Caseway Industrial Products, Inc.  
3487 Highland Drive  
Bay City, MI 48706  
Ph: 989-391-9992  
Fax: 989-391-9994

**Emergency Telephone Number**

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America) Contract # 106140  
\*\*\*Contact manufacturer for all non-emergency calls\*\*\*

### 2. HAZARDS IDENTIFICATION

**Appearance** Light yellow

**Physical State** Liquid

**Odor** Light

**GHS classification in accordance with 29 CFR 1910.1200**

**Hazard Class**

Skin corrosion/irritation	Category 2 [H315]
Serious eye damage/eye irritation	Category 2A [H319]
Sensitization, Skin	Category 1 [317]
Hazardous to the aquatic environment, long-term hazard	Category 2 [H411]

**Signal Word**

**Warning**

**Hazard Statements**

**H315:** Causes skin irritation

**H319:** Causes serious eye irritation

**H317:** May cause an allergic skin reaction

**H411:** Toxic to aquatic life with long lasting effects

**Precautionary Statements - Prevention****P261:** Avoid breathing dust/fume/gas/mist/vapors/spray**P264:** Wash face, hands and any exposed skin thoroughly after handling**P272:** Contaminated work clothing must not be allowed out of the workplace**P273:** Avoid release to the environment**P280:** Wear protective gloves / eye protection / face protection**Precautionary Statements - Response****P302+P352:** IF ON SKIN: Wash with plenty of water**P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses**P321:** Specific treatment (see on this label)**P333 + P313:** If skin irritation or rash occurs: Get medical advice/ attention.**P337 + P313:** If eye irritation persists: Get medical advice/ attention.**P362+P364:** Take off contaminated clothing and wash before reuse.**P391:** Collect spillage.**Precautionary Statements - Disposal****P501:** Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.**Unknown Acute Toxicity**

85-95% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Bisphenol-A-(epichlorohydrin) epoxy resin(number average molecular weight ≤700)	25068-38-6	85-95
Glycidyl ether C12-C14 alcohols	68609-97-2	5-15

\*\*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.\*\*

Both 25068-38-6 and 1675-54-3 can be used to describe the epoxy resin which is produced through the reaction of Bisphenol A and Epichlorhydrin

### 4. FIRST-AID MEASURES

**First Aid Measures****General Advice**

Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance. Treat symptomatically.  
Get medical attention if symptoms occur

**Eye Contact**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

<b>Skin Contact</b>	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Most important symptoms and effects**

<b>Symptoms</b>	May cause eye, skin and respiratory tract irritation. Can cause allergic response in susceptible or hypersensitive individuals upon repeated or prolonged exposure.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	All treatments should be based on observed signs and symptoms of distress.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

**Unsuitable Extinguishing Media** High volume water jet

**Specific Hazards Arising from the Chemical**

Formation of toxic gases is possible during heating or in case of fire. Do not allow run-off from firefighting to enter drains or water courses.

**Hazardous Combustion Products** No data available

**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.

**Further Information**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.
<b>Environmental Precautions</b>	Prevent flow to sewer and public waters. See Section 12 for additional Ecological Information. Inform respective authorities in case of seepage into sewer system or water course. Do not allow to enter sewers, surface, or ground water.

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

<b>Methods for Containment</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
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**Methods for Clean-Up**

Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS. Spills and releases may have to be reported to Federal and/or local authorities. See section 15.

## 7. HANDLING AND STORAGE

**Precautions for safe handling****Advice on Safe Handling**

Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8.  
Smoking, eating, and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.  
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

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

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Keep in properly labelled containers.

**Incompatible Materials**

Strong oxidizers. Strong acids. Strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

No exposure limits noted for ingredient(s) The following information is given as general guidance

**Appropriate engineering controls****Engineering Controls**

This product does not contain any relevant quantities of the materials with critical values that have to be monitored at the workplace.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Eye wash bottle with pure water Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

**Skin and Body Protection**

Wear chemical resistant protective gloves. Body protection must be chosen based on level of activity and exposure. Butyl rubber or other impervious gloves are required.

**Respiratory Protection**

Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment. High vapor or mist concentrations may require a NIOSH approved organic vapor respirator.

**General Hygiene Considerations**

Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Light
<b>Appearance</b>	Light yellow liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Light yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	>200 °C (>392°F)	
Flash Point	142 °C (286.7 °F)	
Ignition Temperature	235 °C (455 °F)	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Density	1.11 – 1.16 g/cm <sup>3</sup> (9.262695 – 9.6802 @ 25°C (77 °F) lbs/gal)	
Water Solubility	Insoluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable; however, material can decompose at elevated temperatures.

### Possibility of Hazardous Reactions

None under normal processing.

#### **Hazardous Polymerization**

Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

Strong oxidizers. Strong acids.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Acute Toxicity (Oral)**

#### **Eye Contact**

Causes eye irritation.

<b>Skin Contact</b>	Skin irritation.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	May cause discomfort if swallowed.

**Component Information**

N/A

**Information on physical, chemical and toxicological effects**

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	May cause an allergic skin reaction.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Persistence/Degradability**

Not easily biodegradable

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	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**

<b>UN/ID No.</b>	UN 3082
<b>Proper shipping name</b>	ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (BISPHENOL A EPOXY RESIN)
<b>Class</b>	9
<b>Packing group</b>	III
<b>Labels</b>	Miscellaneous
<b>Packing Instruction (cargo aircraft)</b>	964
<b>Packing Instruction (passenger aircraft)</b>	964

**IATA**

<b>UN/ID No.</b>	UN 3082
<b>Proper shipping name</b>	ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (BISPHENOL A EPOXY RESIN)
<b>Class</b>	9
<b>Packing group</b>	III
<b>Labels</b>	9
<b>Packing Instruction (cargo aircraft)</b>	964
<b>Packing Instruction (passenger aircraft)</b>	964

**IMDG**

<b>UN/ID No.</b>	UN 3082
<b>Proper shipping name</b>	ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (BISPHENOL A EPOXY RESIN)
<b>Class</b>	9
<b>Packing group</b>	III
<b>Labels</b>	9
<b>Packing Instruction (cargo aircraft)</b>	964
<b>Packing Instruction (passenger aircraft)</b>	964
<b>EmS Code</b>	F-A, S-F

## 15. REGULATORY INFORMATION

### International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Bisphenol-A-(epichlorohydrin ) epoxy resin(number average molecular weight ≤700)	Present									
Glycidyl ether C12-C14 alcohols	Present									

#### **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 does not contain any Proposition 65 chemicals.

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

This product does not contain any substances regulated under applicable state right-to-know regulations

## 16. OTHER INFORMATION

**NFPA****Health Hazards**

2

**Flammability**

1

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

2

**Flammability**

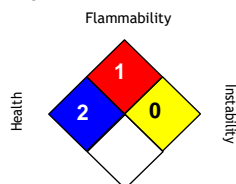
1

**Physical Hazards**

0

**Personal Protection**

Not determined

**Further information****NFPA 704:****HMIS® IV:**

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

Special hazard.

**Issue Date:**

15-May-2012

**Revision Date:**

10-10-2020

**Revision Note:**

Added/Updated GHS codes, combined information

**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**