

GA-225CE**B-Side****SDS****SAFETY DATA SHEET****GA-225CE Resin****B-SIDE****Revised June 17, 2015****1. IDENTIFICATION**

Product Identifier used on label:

GA-225CE B-COMPONENT**Details of supplier of the Safety Data Sheet**Company:Bridgeport Chemical, LLC
291 West McCallen
Sikeston, MO 63801**Emergency telephone number**

CHEMTREC: 800-424-9300

2. HAZARDS IDENTIFICATION**Classification of the product**

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Hazard-determining components of labeling:

Reaction products of Epichlorohydrin and Bisphenol A
Bisphenol-F Type Epoxy Resin
Cresol Glycidyl Ether
Oxirane, mono [(C12-14-alkyloxy)methyl] derivs.**Label Elements**

Pictogram:

**Signal Words**

Warning

Hazard Statements

H315	Causes skin irritation
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation

H411 Toxic to aquatic life with long lasting effects

Precautionary Statements (Prevention)

P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash exposed skin thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P273	Avoid release to the environment
P280	Wear protective gloves/clothing and eye/face protection
P302 + 352	If on skin: Wash with soap and water
P305 + 351 + 338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321	Specific treatment (See supplemental first aid instructions on this label)
P333 + 313	If skin irritation or rash occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P391	Collect spillage
P501	Dispose of contents/container to hazardous or special waste collection point

Additional information

Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects. A Poorly characterized sample of low molecular weight epoxy resin of this type has been reported to produce skin cancer in a highly sensitive strain of mice. However, high levels of impurities compromise the validity of the findings. Epoxy resin that is representative of the current manufacturing processes is not believed to be a cancer hazard to humans. Results of the mutagenicity tests in animals have been negative. Has been shown to be negative in some in vitro mutagenicity tests and positive in others.

Hazards not otherwise classified

None

Information concerning particular hazards for humans and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of the international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3. COMPOSITION /INFORMATION ON INGREDIENTS

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<u>Component</u>	<u>%</u>	<u>CAS#</u>
Liquid Epoxy Resin	85-90	25085-99-8
Bisphenol-F Type Epoxy Resin	1-5	28064-14-4
CGE (Cresol Glycidyl Ether)	1-2	2210-79-9
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	5-10	68609-97-2

4. FIRST AID

Move exposed person to fresh air. If breathing is labored, oxygen should be administered by qualified personnel.

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

After contact with skin, wash immediately with plenty of warm, soapy water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Provided the patient is conscious, wash out mouth with water. Get medical attention if symptoms appear.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Water, Foam, CO2 or dry powder.

Hazardous decomposition products:

Combustion products may include carbon oxides or other toxic vapors. Thermal decomposition can lead to release of irritating gases and vapors.

Special protective actions for fire-fighters:

Promptly isolate the scene by removing all persons from the vicinity of the incident, if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. PVC boots, gloves, safety helmet and protective clothing should be worn.

6. ACCIDENTAL RELEASE MEASURES

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor.



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Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get into eyes.

Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and may be hazardous.

Material is to be stored in accordance with local regulations. Store in original container protected from direct sunlight in a dry and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Use appropriate containment to avoid environmental contamination.

Unsuitable containers: Do not store in containers made of copper, copper alloys or galvanized surfaces.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Smell is not an adequate indicator of hazard.

Ventilation: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Protective Gear: In case of inadequate ventilation, wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all time when handling chemical products if a risk assessment indicates this is necessary.

Safety eyewear complying with an approved standard should be used when a risk assessment indicate this is necessary to avoid exposure to liquid splashes, mists or dusts.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Odor:	Faint epoxy odor

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Odor Threshold:	Not Determined
Color:	As color specified (naturally clear)
pH Value:	Not Determined
Freezing Point:	Not Determined
Boiling Point:	Not Determined
Flash Point:	245 degrees F
Flammability:	Not Determined
Vapor Density:	Not Determined
Viscosity:	Not Determined
Self-Ignition Temperature:	Not Determined
Solubility in water:	Not Determined
Evaporation rate:	Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at room temperature. No specific test data related to reactivity is available for this product or its ingredients.

Hazardous reactions: None known. Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

68609-97-2 LD50 Rat; 17100mg/kg

Chronic Toxicity

No additional information

Carcinogenicity

See Section 15

Germ cell mutagenicity

0-CRESYL GLYCIDYL ETHER (2210-79-9) netted positive results for germ cell mutagenicity

Reproductive toxicity

None

12. ECOLOGICAL INFORMATION

Toxicity

LL50>100mg/L (Rainbow Trout 96 hr.): 2210-79-9

Persistence and degradability

Not determined

Bioaccumulative potential

Not determined



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Mobility in soil
Not determined

13. DISPOSAL CONSIDERATION (INCLUDING CONTAINER)

The generation of waste should be avoided or minimized by using excess product in an alternate, beneficial application wherever possible.

Empty containers may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

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

14. TRANSPORT AND INFORMATION

UN Number
UN3082

UN Proper shipping name
Environmentally hazardous substance, Liquid, N.O.S.

Transport Hazard Class
9, Miscellaneous dangerous substances and articles

Packing Group
III

This product is no regulated for transport

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION:

Safety Health and environment regulations/legislation specific for the substance or mixture.

NORTH AMERICA

SARA

Section 313 (specific toxic chemical listings): None of the ingredients are listed

Section 302 (extremely hazardous substances): None of the ingredients are listed

CERCLA (Comprehensive Environmental Response, Clean up and Liability Act) Reportable Spill Quantity

None of the ingredients are listed

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TSCA (Toxic Substances Control Act)

Inventory: All ingredients are listed

Rules and Orders: Not applicable

NTP (National Toxicology Program)

None of the ingredients are listed

Proposition 65 (California)

Chemicals known to cause cancer: None of the ingredients are listed

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed

Chemicals known to cause developmental toxicity: None of the ingredients are listed

Canadian Domestic Substance List (DSL)

All ingredients are listed

EU

REACH Article 57 (SVHC)

None of the ingredients are listed

Germany MAK

Not classified

Asia Pacific

Australia Inventory of Chemical Substances (AICS)

All ingredients are listed

China Inventory of Existing Chemical Substances in China (IECSC)

All ingredients are listed

Japan Inventory of Existing and New Chemical Substances (ENCS)

All ingredients are listed

Korea Existing Chemical List (ECL)

All ingredients are listed

New Zealand Inventory of Chemicals (NZOIC)

All ingredients are listed

Philippine Inventory of Chemicals and Chemical Substances (PICCS)

All ingredients are listed

Taiwan Chemical Substance Inventory (TSCI)

All ingredients are listed



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Carcinogenic Categories

IARC (International Agency for Research on Cancer)

None of the ingredients are listed

16. OTHER INFORMATION

SDS Prepared by:

Bridgeport Chemical, LLC

SDS Prepared on: 06/17/2015

Disclaimer/Statement of Liability:

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END OF SAFETY DATA SHEET