SAFETY DATA SHEET

Material Identity: Fasco #110 Glue Part 1

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

MANUFACTURER INFORMATION:
Fasco Epoxies, Inc.
2550 N U.S.1 Fort Pierce, FL 34946
E-Mail: Sales@FascoEpoxies.com
Customer Service: (305) 821-9441

24 HR. Emergency Phone Contact:
CHEMTREC
1-800-424-9300

PRODUCT NAME: Fasco #110 Glue Part 1
GENERAL USE: Adhesive
PRODUCT CODE: F110 Part 1
Synonyms: Epoxy Glue
Product Description: Resin

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

[Health]
Eye Irritation, Category 2
Skin Irritation, Category 2
Skin Sensitization, Category 1
Acute Toxicity (Dermal), Category 5
Acute Toxicity (Oral), Category 5

[Environmental]
Aquatic Toxicity (Acute), Category 2
Aquatic Toxicity (Chronic), Category 2

[Physical]

GHS Label Elements, Including Precautionary Statements:

Pictograms:



Signal Word: WARNING

HAZARD STATEMENT(S):
H320: Causes eye irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H303: May be harmful if swallowed.
H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT(S):

Prevention:

P280: Wear protective gloves, protective clothing, eye protection and face protection.
P261: Avoid breathing fumes, dust, vapors, gases, or spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P264: Wash skin thoroughly after handling.
P273: Avoid release to the environment.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Seek medical attention.
P362: Take off contaminated clothing and wash before reuse.
P312: Call a POISON CENTER or physician if you feel unwell.
P321: Specific treatment (see Section 4: First Aid).
P391: Collect spillage.

Disposal:

P501: Dispose of container and its contents in accordance with all Federal, State, and local regulations.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Bisphenol A/ Epichloronhydrin Resin	> 80	25068 - 38 - 6
Silica, fumed	< 10	112945-52-5
Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivatives	< 10	68609 - 97 - 2

SECTION 4 - FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes, holding eyelids open. Remove contact lenses if present and easy to do so. Seek immediate medical attention.
SKIN: Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.
INGESTION: Ingestion of this product is unlikely. Do NOT INDUCE VOMITING. Obtain medical attention. If necessary, remove stomach contents by gastric suction or vomiting, avoid aspiration of vomit.
INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.
NOTES TO PHYSICIAN: If skin sensitization has developed and a causal relationship has been confirmed, further exposure should not be allowed.

ANTIDOTES: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE CLASS: May be combustible at high temperature.
GENERAL HAZARD: Unusual Fire and Explosion Hazards: Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is emitted when burned without sufficient oxygen.
EXTINGUISHING MEDIA: Use dry chemical, CO2, water spray/fog (not jet), or foam
HAZARDOUS COMBUSTION PRODUCTS: Carbon Oxides, Phenolics.
OTHER CONSIDERATIONS: The product is not in the flammable range, but will burn. Carbon monoxide possible where incomplete combustion occurs.
FIRE FIGHTING PROCEDURES: Evacuate any non-essential personnel. Extinguish all ignition sources if safe to do so. Use water to cool exposed containers and structures until fire is out. Avoid spreading burning material with water used for cooling purposes.
FIRE FIGHTING EQUIPMENT: Full Bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus (SCBA).

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish all nearby ignition sources. Stop leak if it can be done safely. Prevent from entering waterways and sewers. Absorb with non-combustible material and transfer into appropriate disposal container.

LARGE SPILL: Use a shovel to put the material in to a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

GENERAL PROCEDURES: Always ensure proper ventilation from any spill. Respirators or SCBA are required if permissible exposure limits are exceeded due to inadequate general ventilation. All spills should be contained as best as possible. All chemical spills should be assumed to be hazardous to the environment to ensure safety.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Electric band heaters can be used to warm material but should not be left unattended. Warming to a maximum of 160Fis recommended.

STORAGE: Store container in a cool, well-ventilated approved area. Keep container away from sparks and other ignition sources. Keep container tightly closed until ready to use.

STORAGE TEMPERATURE: 2°C (35°F) Minimum to 43°C (109°F) Maximum.

Notes: Material may crystallize during prolonged storage. Material can be warmed up to (160F) to dissolve crystals and used as recommended.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TVL	
Chemical Name		**PPM**	**MG/M^3**	**PPM**	**MG/ M^3**
Bisphenol A/epichlorohydrin Resin	**TWA**	N/E[1]	[1]	N/E	
Oxirane, Mono[(C12-14-alkyloxy)methyl] Derivatives.	**TWA**	N/E[1]	[1]	N/E	
Footnotes: **1.** N/E = Not Established					

ENGINEERING CONTROLS: Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits (PEL/TLV). Any installed emergency eye wash station or safety showers should be located near the work area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and/or face shield. Always use proper eye protection around the work area.
SKIN: Wear impermeable gloves. Clothing should limit skin exposure. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product. Maintain eyewash and shower station near work area in case of exposure.
RESPIRATORY: Not normally required. In the event of an inhalation risk, use with local exhaust ventilation. If this is not practicable wear a half mask respirator Vapor respirator may be required if exposure limits are exceeded.

WORK HYGIENIC PRACTICES: Never eat or drink in areas where the chemical is being used. Wash hands after handling to limit exposure.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Paste.
ODOR: Slight Odor.
APPEARANCE: White Paste.
pH: No data available.
PERCENT VOLATILE: No data available.
FLASH POINT AND METHOD: > 200°C (390°F) Closed Cup
FLAMMABLE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: No data available.
VAPOR PRESSURE: < 1 mm Hg
VAPOR DENSITY: > 1
BOILING POINT: No data available.
FREEZING POINT: No data available.
MELTING POINT: No data available.
SOLUBILITY IN WATER: No data available.
EVAPORATION RATE: No data available.
SPECIFIC GRAVITY: 1.16 (Water = 1)
VISCOSITY: No data available.
(VOC): No data available.

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: This product is stable under normal conditions of storage and use.
CONDITIONS TO AVOID: Avoid contact with incompatible materials and ignition sources / heat.
INCOMPATIBLE MATERIALS: Avoid all unplanned contact with strong reactive chemicals, Acids, Bases, Aliphatic Amines, and Oxidizers.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD_{50} (Rat)	DERMAL LD_{50} (Rabbit)
Bisphenol A/epichlorohydrin Resin	>5000 mg / kg (Rat)	>20000 mg / kg (Rabbit)
Oxirane, Mono[(c12-14-alkyloxy)methyl] Derivatives	17100 mg / kg (Rat)	> 4000 mg / kg (Rabbit)

EYE EFFECTS: Eye irritant
SKIN EFFECTS: Skin Irritant, Sensitizer.
CARCINOGENICITY
Notes: Not considered carcinogenic by OSHA, NTP, or IARC.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Water polluting material. May be harmful to the environment if released in large quantities.

BIOACCUMULATION/ACCUMULATION: Avoiding to the results of tests of biodegradability this product is not readily biodegradable.

MOBILITY: No known significant effects or critical hazards.

SECTION 13 - DISPOSAL CONSIDERATION

DISPOSAL METHOD: Disposal should be in accordance with all Federal, State, and local regulations. Empty containers may still be considered dangerous due to residual vapors/liquid/dust.

SECTION 14 - TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A-EPICHLOROHYDRINRESIN)
PRIMARY HAZARD CLASS/DIVISION: 9
UN/NA NUMBER: UN3082
PACKING GROUP: III

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not Regulated by DOT

AIR (ICAO/IATA)

SHIPPING NAME: Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A-EPICHLOROHYDRINRESIN)

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TECHNICAL NAME: Epoxy Resin
UN/NA NUMBER: 3077
PRIMARY HAZARD CLASS/DIVISION: 9
PACKING GROUP: III

VESSEL (IMO/IMDG)

SHIPPING NAME: Environmentally hazardous substance, liquid, n.o.s. (BISPHENOL A-EPICHLOROHYDRINRESIN)

TECHNICAL NAME: Epoxy Resin
UN/NA NUMBER: 3077
PRIMARY HAZARD CLASS/DIVISION: 9
PACKING GROUP: III
EmS: F-A,S-F
MARINE POLLUTANT #1: Listed.

COMMENTS: Marine Pollutant; Epichlorohydrin

SECTION 15 - REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate (Acute) health hazard.
FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No
313 REPORTABLE INGREDIENTS: None required.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: None required

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None required**.**

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All Components listed.

CALIFORNIA PROPOSITION 65: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm. Epichlorohydrin 106-89-8

OSHA HAZARD COMM. RULE: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Class D-2B: Toxic material causing other toxic effects.

SECTION 16 OTHER INFORMATION

NFPA RATINGS:

HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	

RATINGS NOTES: The customer is responsible for determining the PPE code for this material.

MANUFACTURER DISCLAIMER: This information is compiled from sources believed reliable as of the date of issue, it is provided in good faith and correct to the best of our knowledge. No warranty, guarantee, or representation is made as to the sufficiency of the information for the safe use of the product nor to relieve the end user of their own Federal, State, and local regulatory compliance requirements.