



# SAFETY DATA SHEET

Material Identity: Fasco #9XS Super Steel Flex 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 #9XS Super Steel Flex Part 1  
**PRODUCT CODE:** F9XS Part 1  
**Synonyms:** Complex Hydrocarbon Mixture  
**Product Description:** Specialty Epoxy Resin (Bis-F type)

## SECTION 2 - HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**

<b>[Health]</b> Skin irritation Category 2 Skin sensitization Category 1 Eye irritation Category 2	<b>[Environmental]</b> Aquatic Toxicity (Chronic) Category 2	<b>[Physical]</b>
---	--	-------------------

**GHS Label Elements, Including Precautionary Statements:**

**Pictograms:**



**Signal Word:** Warning

**HAZARD STATEMENT(S):**

H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H318 Causes serious eye damage.  
H412 Harmful to aquatic life with long lasting effects.

**PRECAUTIONARY STATEMENT(S):**

**Prevention:**

P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.



# SAFETY DATA SHEET

Material Identity: Fasco #9XS Super Steel Flex Part 1

P280 Wear protective gloves / eye protection / face protection.

**Response:**

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice / attention.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Bisphenol-F/epichlorohydrin epoxy resin	90-95	28064-14-4
Trade Secret	05-10	XXXXX

## SECTION 4 - FIRST AID MEASURES

**EYE CONTACT:** Flush eyes thoroughly with running water for 15 minutes remove contact lenses after initial 1-2 minutes and continue flushing. If effects occur, consult a physician or ophthalmologist as appropriate.

**SKIN CONTACT:** Remove material from the skin immediately by washing with soap and plenty of water; remove contaminated clothing and shoes while washing; obtain medical attention if irritation persists. Wash clothing prior to reuse. Do not reuse clothing or personal items which cannot be decontaminated.

**INGESTION:** Do not induce vomiting unless directed to do so by medical personnel. If swallowed, obtain medical attention.

**INHALATION:** Move exposed person to fresh air. If effects occur obtain medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Use an extinguishing agent suitable for the surrounding fire.

**HAZARDOUS COMBUSTION PRODUCTS:** Oxides of carbon and various hydrocarbons.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved or equivalent, and full protective gear.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Combustion products may include but are not limited to: phenolics, carbon monoxide and carbon dioxide; smoke may contain particles of original materials as well.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

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.



# SAFETY DATA SHEET

Material Identity: Fasco #9XS Super Steel Flex Part 1

## SECTION 7 - HANDLING AND STORAGE

**HANDLING:** Avoid prolonged or repeated contact with skin wash thoroughly after handling. Avoid use of electric band heaters. Never apply direct flame to any container of product.

**STORAGE:** Store in original container protected from direct sunlight in a cool, dry and adequate ventilation. Keep away from open flames. Do not store in unlabeled containers.

## 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 <sup>3</sup>	PPM	MG/M <sup>3</sup>
Bisphenol-F/epichlorohydrin epoxy resin	<b>TWA</b>	N/E <sup>[1]</sup>	[1]	N/E <sup>[1]</sup>	[1]
Trade Secret	<b>TWA</b>	N/E <sup>[1]</sup>	[1]	N/E <sup>[1]</sup>	[1]
<b>Footnotes:</b> 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:** Safety glasses or goggles as appropriate.
- SKIN:** If prolonged or repeated skin contact is likely, wear appropriate protective gloves.
- CLOTHING:** Protective clothing as necessary to guard against inadvertent product contact; safety shoes.
- RESPIRATORY:** Not necessary under normal use conditions with adequate ventilation.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- FLASH POINT:** No data available.
- AUTOIGNITION TEMPERATURE:** No data available.
- BOILING POINT:** Not determined
- MELTING/FREEZING POINT:** No data available.
- VAPOR PRESSURE:** 0.03 mbar @ 77°C
- VAPOR DENSITY (Air = 1):** No data available.
- ODOR/APPEARANCE:** Light yellow with amine odor.
- FLAMMABILITY LIMITS:** No data available.
- SPECIFIC GRAVITY:** 1.2



# SAFETY DATA SHEET

Material Identity: Fasco #9XS Super Steel Flex Part 1

**VOLATILE %:** No data available.

**EVAPORATION RATE:** No data available.

**pH:** Approximately Neutral.

**SOLUBILITY IN WATER:** Insoluble.

## SECTION 10 - STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** This product is stable under normal conditions of storage and use. Product may crystallize after prolonged storage, but this is a reversible condition. Crystallized material can be liquefied by heating slowly to 50°C for 6-24 hours.

**CONDITIONS TO AVOID:** Elevated temperatures.

**INCOMPATIBLE MATERIALS:** Acids, bases, amines, strong oxidizing agents.

**HAZARDOUS POLYMERIZATION:** Will not occur by itself.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### SIGNS AND SYMPTOMS OF OVEREXPOSURE:

**EYE EFFECTS:** Eye irritant

**SKIN:** Contact can cause redness and irritation.

**EYES:** Liquid contact will cause stinging and tearing.

**INHALATION:** Excessive inhalation of high concentrations may be irritating.

**INGESTION:** If swallowed, this material may irritate the mucous membranes of the mouth, throat, and esophagus.

### ACUTE ORAL TOXICITY:

LD50(rat): 2000 mg/kg

### ACUTE INHALATION TOXICITY:

Monononylphenol: No data available.

### ACUTE DERMAL TOXICITY:

Monononylphenol: 20,000 mg/kg

## 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:** According 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



# SAFETY DATA SHEET

Material Identity: Fasco #9XS Super Steel Flex Part 1

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**SECTION 14 - TRANSPORT INFORMATION**

**14.1 Shipping description**

**DOT Proper Shipping Description:** Not regulated

**IMDG Proper Shipping Description:** UN3082 Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin) Hazard Class: 9 Packing Group: PG III EmS No.: F-A, S,-F Marine Pollutant: Yes

**IATA Proper Shipping Description:** UN3082 Environmentally hazardous substance, liquid, n.o.s. (Epoxy resin) Hazard Class: 9 Packing Group: PG III Cargo/Passenger Packing Instruction: 964  
**Additional Information:** MARINE POLLUTANT

**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:**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>0</b>



# SAFETY DATA SHEET

Material Identity: Fasco #9XS Super Steel Flex Part 1

**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.