



SAFETY DATA SHEET

Material Identity: Fasco #88 Epoxo Liquid Part 2

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

MANUFACTURER INFORMATION:

Fasco Epoxies, Inc.
2550 N U.S.1 Fort Pierce, FL 34946
E-Mail: FascoEpoxiesInc@gmail.com
Customer Service: (305) 921-9441

24 HR. Emergency Phone Contact:

CHEMTREC
1-800-424-9300

PRODUCT NAME: Fasco #88 Liquid Part 2

PRODUCT CODE: F88L2

Synonyms: Complex Hydrocarbon Mixture

Product Description: Hardener

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

[Health]

Serious eye damage Category 1
Skin sensitization Category 1
Acute Toxicity (Oral) Category 4

[Environmental]

Aquatic Toxicity (Acute) Category 3
Aquatic Toxicity (Chronic) Category 2

[Physical]

GHS Label Elements, Including Precautionary Statements:

Pictograms:



Signal Word: Danger

HAZARD STATEMENT(S):

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT(S):

Prevention:

P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.



SAFETY DATA SHEET

Material Identity: Fasco #88 Epoxo Liquid Part 2

P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P405 Store locked up.

Response:

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor / physician.
P321 Specific treatment (see supplemental first aid instructions on this label.)
P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents / container to an approved waste disposal plant.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Nonylphenol	56-66	25154-52-3
Polyoxypropyleneamine	34-44	9046-10-0
N-Aminoethylpiperazine	01-06	140-31-8

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

INGESTION: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms appear.

INHALATION: Move exposed person to fresh air. If not breathing, or if breathing is irregular provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

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



SAFETY DATA SHEET

Material Identity: Fasco #88 Epoxo Liquid Part 2

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: Containers can build up pressure if exposed to heat and/or fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors will form an explosive mixture with air. Vapors will travel to a source of ignition and flash back.

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.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Do not get in eyes, on skin or on clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, keep tightly closed when not in use.

STORAGE: Store in original container protected from direct sunlight in a cool, dry and well-ventilated area away from incompatible materials, 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.

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
Monononylphenol	TWA	N/E ^[1]	[1]	N/E ^[1]	[1]
Polyoxypropyleneamine	TWA	N/E ^[1]	[1]	N/E ^[1]	[1]
N-Aminoethylpiperazine	TWA	N/E ^[1]	[1]	N/E ^[1]	[1]
Footnotes:					
1. N/E = Not Established					



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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: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133

SKIN: If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

CLOTHING: Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

RESPIRATORY: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

FLASH POINT: 280°F

AUTOIGNITION TEMPERATURE: No data available.

BOILING POINT: 499°F

MELTING/FREEZING POINT: No data available.

VAPOR PRESSURE: <1 mmHg

VAPOR DENSITY (Air = 1): >1

ODOR/APPEARANCE: Pale straw liquid with amine odor.

FLAMMABILITY LIMITS: No data available.

SPECIFIC GRAVITY: 0.968

VOLATILE %: No data available.

EVAPORATION RATE: No data available.

pH: No data available.

SOLUBILITY IN WATER: Moderately soluble.

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: This product is stable under normal conditions of storage and use.

CONDITIONS TO AVOID: No specific information.

INCOMPATIBLE MATERIALS: Chemical reactions are not likely to occur.

HAZARDOUS POLYMERIZATION: Will not occur.

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.



SAFETY DATA SHEET

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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:

Monononylphenol: LD50 Rat: 1,412 mg/kg
Polyoxypropylenamine: LD50 Rat: 480 mg/kg
N-Aminoethylpiperazine: LD50 Rat: 2,100 mg/kg

ACUTE INHALATION TOXICITY:

Monononylphenol: No data available.
Polyoxypropylenamine: No data available.
N-Aminoethylpiperazine: No data available.

ACUTE DERMAL TOXICITY:

Monononylphenol: No data available.
Polyoxypropylenamine: No data available.
N-Aminoethylpiperazine: No data available.

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

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

DOT (DEPARTMENT OF TRANSPORTATION) ROAD OR RAIL:

PROPER SHIPPING NAME: Corrosive liquid, n.o.s. (Contains polyoxpylenediamine, Nonlphenol)
PRIMARY HAZARD CLASS/DIVISION: 8
UN/NA NUMBER: UN1760
PACKING GROUP: III

SECTION 15 - REGULATORY INFORMATION



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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	3
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0

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.