



# SAFETY DATA SHEET

Material Identity: Fasco #103LVX Part 2

## 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 #103LVX Part 2

**PRODUCT CODE:** F103LVX Part 2

**Synonyms:** Complex Hydrocarbon Mixture

**Product Description:** Hardener

## SECTION 2 - HAZARDS IDENTIFICATION

### GHS CLASSIFICATIONS

#### [Health]

Acute Inhalation Toxicity,  
Category 4  
Acute Oral Toxicity, Category 4  
Skin Sensitization, Category 1  
Skin Corrosion/Irritation Category  
1B STOT, Category 3  
Reproductive Toxicity, Category 2

#### [Environmental]

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  
H317: May cause an allergic skin reaction  
H332: Harmful in contact inhaled



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H335: May cause respiratory irritation H361f: Suspected of damaging fertility

H412: Harmful to aquatic life with long lasting effects

## PRECAUTIONARY STATEMENT(S):

### Prevention:

P202: Do not handle until all safety precautions have been read and understood.

P201: Obtain special instructions before use.

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P264: Wash hands thoroughly after handling

P270: Do not eat, drink or smoke when using this product

P271: Use only in well ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P281: Use personal protective equipment as required.

### Response:

P202: Do not handle until all safety precautions have been read and understood.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P321: Specific treatment (see on this label).

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P363: Wash contaminated clothing before reuse.

P308+P313: IF exposed or concerned: Get medical advice/attention.

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

P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P330: Rinse mouth.

P302+P352: IF ON SKIN: Wash with plenty of soap and water. P405: Store locked up.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyamido Amine	50-100	68953-36-6
2,2'-iminodiethylamine	55-65	111-40-0
3,6,9-triazaundecamethylenediamine	2.5-10	112-57-2
2-piperazin-1-ylethylamine	2.5-10	140-31-8
Bisphenol A	2.5-10	80-05-7



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## SECTION 4 - FIRST AID MEASURES

**EYE CONTACT:** Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Then consult a doctor.

**SKIN CONTACT:** Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

**INGESTION:** Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

**INHALATION:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness, place patient stably in the side position for transportation.

### Most important symptoms and effects, both acute and delayed:

**Acute:** This material may cause severe irritation or burns to skin and eyes. Harmful if swallowed. Product may cause an allergic skin reaction

**Chronic:** Prolonged or repeated skin contact or inhalation may cause allergic reaction or respiratory sensitization in humans.

**Both Acute and Chronic:** Allergic reactions, Nausea, Dizziness Breathing difficulty

**Hazards** Danger of impaired breathing.

**Target Organs:**           **Acute:** Eye, Skin, **Chronic:** Skin

**Hazards:** Pre-existing skin or respiratory system problems may be aggravated by exposure to this product.

## 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

### Personal precautions, protective equipment and emergency procedures;

Remove persons from danger area.

Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation



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**Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Clean the affected area carefully; suitable cleaners are: Warm water and cleansing agent.

**SECTION 7 - HANDLING AND STORAGE**

**Precautions To Be Taken In Handling and Storage:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

**Other Precautions:** Store away from oxidizing agents. Store away from foodstuffs. Do not store together with acids. Store in cool, dry conditions, in well sealed receptacles.

**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>
Polyamido Amine	<b>TWA</b>	N/E <sup>[1]</sup>	[1]	N/E <sup>[1]</sup>	[1]
2,2'-iminodiethylamine	<b>TWA</b>	N/E <sup>[1]</sup>	[1]	N/E <sup>[1]</sup>	[1]
3,6,9-triazaundecamethylenediamine	<b>TWA</b>	N/E <sup>[1]</sup>	[1]	N/E <sup>[1]</sup>	[1]
2-piperazin-1-ylethylamine	<b>TWA</b>	N/E <sup>[1]</sup>	[1]	N/E <sup>[1]</sup>	[1]
Bisphenol A	<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**



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**FLASH POINT:** 383°C  
**AUTOIGNITION TEMPERATURE:** 315°C  
**BOILING POINT:** 200°C  
**MELTING/FREEZING POINT:** No data available.  
**VAPOR PRESSURE:** No data available.  
**VAPOR DENSITY (Air = 1):** No data available.  
**ODOR/APPEARANCE:** Amber color with amine odor.  
**FLAMMABILITY LIMITS:** No data available.  
**SPECIFIC GRAVITY:** No data available.  
**VOLATILE %:** No data available.  
**EVAPORATION RATE:** No data available.  
**pH:** No data available.  
**SOLUBILITY IN WATER:** Fully miscible.

## SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Product is stable.  
**Conditions to Avoid:** No decomposition if used according to specifications.  
**Possibility of hazardous reactions:** Reacts with peroxides and other radical forming substances. Reacts with oxidizing agents. Reacts with acids.  
**Materials to Avoid:** No further relevant information available.  
**Decomposition Products:** Nitrogen oxides (NOx) Ammonia  
Carbon monoxide and carbon dioxide

## SECTION 11 - TOXICOLOGICAL INFORMATION

### SIGNS AND SYMPTOMS OF OVEREXPOSURE:

#### 111-40-0 2,2'-iminodiethylamine

**Acute oral toxicity:** LD50 rat: > 1,080mg/kg

**Acute dermal toxicity:** LD50 rabbit: 1,090mg/kg

#### 112-57-2 3,6,9-triazaundecamethylenediamine

**Acute oral toxicity:** No Data Available

**Acute dermal toxicity:** LD50 rabbit: 660 mg/kg

#### 140-31-8 2-piperazin-1-ylethylamine

**Acute oral toxicity:** LD50 rat: > 2,140mg/kg

**Acute dermal toxicity:** LD50 rabbit: 880 mg/kg

#### 80-05-7 Bisphenol A

**Acute oral toxicity:** LD50 rat: > 3,250mg/kg

**Acute dermal toxicity:** LD50 rabbit: 3000 mg/kg

**On the skin:** Caustic effect on skin and mucous membranes.

**On the eye:** Strong caustic effect.

#### Sensitization:

Sensitization possible through skin contact.

Sensitizing effect through inhalation is possible by prolonged exposure.



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## SECTION 12 - ECOLOGICAL INFORMATION

**Aquatic toxicity:** The product contains materials that are harmful to the environment.

**Persistence and degradability:** Moderately /partly biodegradable

**Bioaccumulative potential:** No further relevant information available.

**Mobility in soil:** No further relevant information available.

**Ecological effects:**

**Remark:** Harmful to fish

**Additional ecological information: General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or neutralized. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects:** No further relevant information available.

## SECTION 13 - DISPOSAL CONSIDERATION

**Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

**Unclean packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## SECTION 14 - TRANSPORT INFORMATION

**U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):**

**Proper Shipping Name:** Amines, Liquid, Corrosive, n.o.s. (Polyamido Amine, 2,2'-iminodiethylamine bisphenol A, 3,6,9- triazaundecamethylenediamine)

**Hazard Class:** 8

**UN Number:** 2735

**Packaging Group:** III

**Marine pollutant:** This product does not contain ingredients that are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

## SECTION 15 - REGULATORY INFORMATION

**UNITED STATES**

**SARA**

**Section 355 (extremely hazardous substances):**

None of the ingredients is listed.



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**Section 313 (Specific toxic chemical listings):**

CAS # 80-05-7 bisphenol A

**TSCA (Toxic Substances Control Act):**

All ingredients are listed.

**Proposition 65 (California):**

**Chemicals known to cause cancer:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenic Categories:**

**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**Canada**

**Canadian Domestic Substances List (DSL)**

All ingredients are listed.

**Canadian Ingredient Disclosure list (limit 0.1%)**

CAS # 111-40-0 2,2'-iminodiethylamine

**Canadian Ingredient Disclosure list (limit 1%)**

Ingredients are listed as required.

CAS # 112-57-2 3,6,9-triazaundecamethylenediamine

CAS # 140-31-8 2-piperazin-1-ylethylamine

CAS # 80-05-7 bisphenol A

**SECTION 16 OTHER INFORMATION**

**NFPA RATINGS:**

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

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



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