



# FC Primer (Part B)

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 /  
Rules and Regulations

Revision Date: N/A

Date of Issue: 05/09/2024

Version:1.0

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Liquid

**Product Name:** FC Primer (Part B)

**Product Code:** 2512

### Intended Use of the Product

Epoxy Resin Hardener

### Name, Address, and Telephone of the Responsible Party

#### **Manufacturer**

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633  
www.garlandco.com

#### **Supplier**

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633  
www.garlandco.com

The Garland Company, Inc.  
209 Carrier Drive  
Toronto, Ontario M9W 5Y8  
T-416-747-7995 ; 800-387-5991  
F-416-747-1980

### Emergency Telephone Number

**Emergency Number:** 1-800-262-8200 (CHEMTREC)

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### **Classification (GHS-US)**

STOT SE 3	H335
Skin Irrit. 2	H315
Muta. 1B	H340
Carc. 1A	H350
Tox. To Rep. 2	H361
STOT RE 1	H372
Asp. Tox. 1	H304
Aquatic Acute 3	H400
Aquatic Chronic 1	H410
Skin Corrosion 1B	H314

### Label Elements

#### **GHS-US Labeling**

#### **Hazard Pictograms (GHS-US)**



#### **Signal Word (GHS-US)**

: Danger

#### **Hazard Statements (GHS-US)**

: H304 - May be fatal if swallowed and enters airways  
H314 – Causes severe skin burns and eye damage  
H315 - Causes skin irritation  
H335 - May cause respiratory irritation  
H340 - May cause genetic defects

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H350 - May cause cancer  
H361 - Suspected of damaging fertility or the unborn child  
H372 - Causes damage to organs  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

### Precautionary Statements (GHS-US)

: P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking  
P233 - Keep container tightly closed  
P240 - Ground/bond container and receiving equipment  
P241 - Use explosion-proof electrical, lighting, ventilating equipment  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P260 - Do not breathe mist.  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 - Wash face, hands and any exposed skin thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear eye protection, face protection, protective clothing, protective gloves  
  
P281 - Use personal protective equipment as required.  
  
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
  
P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
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 person to fresh air and keep at rest in a position comfortable for breathing  
P308+313 - IF exposed or concerned: Get medical advice/attention.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P314 - Get medical advice/attention if you feel unwell.  
P321 - Specific treatment (see supplemental instructions on the administration of antidotes on this label).  
P331 - Do NOT induce vomiting.  
P332+313 - If skin irritation occurs: Get medical advice/attention.  
P362 - Take off contaminated clothing and wash before reuse.  
P370+P378 - In case of fire: Use appropriate media for extinction  
P391 - Collect spillage.  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P403 + P235 - Store in a well-ventilated place. Keep cool.  
P403+233 - Store in a well-ventilated place. Keep container tightly closed.  
P405 - Store locked up  
P501 - Dispose of contents/container according to local, regional, national, and international regulations

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**Other hazards:** This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Component

Name	Product Identifier	% (w/w)
Modified Polyethylenepolyamine Adduct	Trade Secret	
Nonylphenol	25154-52-3	
Aliphatic Ether Polyamines	9046-10-0	

**Composition Comments:** Exact concentrations and chemical identities of ingredients not listed above are either classified as non-hazardous or are withheld as a trade secret as covered by OSHA's Hazard Communication Standard, 29 CFR 1910.1200(i).

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Immediately flush with copious amounts of lukewarm water for at least 15 minutes. Have eyes examined and treated by medical personnel.

**Skin Contact:** Dry skin with paper towel or similar. Wash affected skin thoroughly with soap and water. Immediately remove contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if any discomfort continues. Wash contaminated clothes before reuse.

**Inhalation:** Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**Ingestion:** If swallowed, Do Not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into lungs.

### SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: 213°F (closed cup)

Lower Explosive Limit: N/A

Upper Explosive Limit: N/A

Autoignition Temperature: N/D

Extinguishing Media: Foam, CO<sub>2</sub>, Dry Chemical, Water, Fog

**Unusual fire and explosion hazards:** Fire produces irritating or poisonous gas. Liquid is combustible when hot. Can form explosive mixtures at temperatures at or above the flashpoint. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION; CONTAINERS MAY EXPLODE AND CAUSE INJURY OR DEATH.

**Special Firefighting Procedures:** Containers exposed to fire should be kept cool with water spray. As in fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Immediately evacuate all non-essential personnel to safe places. Emergency responders should wear proper protective gear before entering the affected area. Observe all precautions noted above.

**Regulatory Notifications:** Waste of this product is defined as hazardous according to U.S. EPA. Spill reporting requirements and reportable quantities vary by region. Consult all applicable state and local regulations. For Canada, observe all precautions noted above.

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**Containment and Clean up:** Remove all sources of ignition. Avoid sparks, flames, heat and smoking. Ventilate. Stop leak if possible without risk. Prevent liquids from entering sewers, drains or waterways by diking with sand or earth. Absorb with vermiculite or other absorbent material, then flush area with soap and water. Put all waste in open drums.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Eliminate all ignition sources such as fire, flames, sparks, ect. Provide good ventilation. Avoid prolonged contact with the skin. Use solvent resistant gloves. Avoid rubbing eyes while handling.

**Storage:** Store in cool, dry, ventilated space away from direct sunlight. Keep away from heat, sparks, and any open source of flames. Store at 10-30° C.

#### Empty Container Warnings

**Drums:** Do not reuse empty containers. Do not cut, drill, grind or weld on or near the empty pail or drum.

**Plastic:** Not applicable

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

**Respiratory Protection:** Wear NIOSH/MSHA approved respiratory protection when the product is mixed or applied in a poorly ventilated area or if workplace levels of ingredients exceed the TLV. Follow applicable federal, state, and local regulations.

**Other Protective Equipment:** Where contact is likely, wear chemical resistant gloves, chemical safety goggles with face shield, and clean protective clothing to cover arms and legs to keep exposure to a minimum.

**Hygiene Practices:** Do not take internally. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid breathing vapors from heated material. Avoid contact with eyes, skin, and clothing.

EXPOSURE LIMIT						
ITEM	ACGIH		OSHA		COMPANY	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
Modified Polyethylenepolyamine Adduct	N.E.	N.E.	N.E.	N.E.	N.E.	NO
Nonylphenol	100 ppm	N.E.	100 ppm	N.E.	N.E.	NO
Aliphatic Ether Polyamines	N.E.	N.E.	N.E.	N.E.	N.E.	N.E.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### Information on Basic Physical and Chemical Properties

<b>Appearance:</b> Liquid	<b>Octanol/Water Coefficient:</b> Log K <sub>ow</sub> = NA
<b>Odor:</b> NA	<b>Vapor Pressure:</b> 1 mm Hg @ 20°C
<b>Physical state:</b> Liquid	<b>Vapor Density (air=1):</b> > air
<b>PH:</b> Not applicable	<b>Percent Volatile by Volume:</b> NA
<b>DOT Corrosivity:</b> Not applicable	<b>Volatile Organic Content:</b> NA
<b>Boiling Point:</b> 230-232° F	<b>Molecular Weight:</b> NA
<b>Melting Point:</b> NA	<b>Average Carbon Number:</b> NA
<b>Specific Gravity:</b> 0.9759	<b>Viscosity @ 100F:</b> NA
<b>Pour Point:</b> NA	<b>Viscosity@ 40C:</b> NA
<b>Solubility in Water:</b> Appreciable	

### SECTION 10: STABILITY AND REACTIVITY

**Conditions to Avoid:** Long term exposure to elevated temperatures.

**Incompatible:** Strong bases or oxidants. Strong Lewis or mineral acids.

**Hazardous decomposition products:** Poisonous & acrid fumes released on burning. Acrid fumes. Oxides of carbon.

**Stability:** This product is stable under normal storage conditions.

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## SECTION 11. TOXICOLOGICAL INFORMATION

### COMPONENT TOXICOLOGY INFORMATION:

CHEMICAL NAME	DEMAL LD 50	ORAL LD 50	LC 50
Polyethylene Polyamine Adduct	N/D	N/D	No Information
Nonylphenol	2.14 g/kg	0.58 g/kg	No Information
Aliphatic Ether Polyamines	2.98 g/kg	2.88 g/kg	No Information

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

**Aquatic Toxicity:** Not known.

**Terrestrial Toxicity:** Not known

**Chemical Fate and Transport:** Not known.

**Ecological information:** Toxic to fish and other water organisms.

**No other ecological information available**

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Waste generation should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Unused and Contaminated Product:** Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

## SECTION 14: TRANSPORT INFORMATION

**DOT Proper Shipping Name:** UN 1760, Flammable liquid n.o.s. (nonylphenol and Amino Ethyl Piperazine), 8, III

**IATA Proper Shipping Name:** UN 1760, Flammable liquid n.o.s. (nonylphenol and Amino Ethyl Piperazine), 8, III

**The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.**

### International Information

**Vessel:** IMDG Regulated

**Air:** ICAO Regulated

## SECTION 15: REGULATORY INFORMATION

### Regulatory Lists

#### U.S. Federal Regulations: As follows-

**OSHA:** Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

#### CERCLA – SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Section 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

**Immediate Health Hazard**

**Chronic Health Hazard**

**Sara Section 313:** This product contains no substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

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### Toxic Substances Control Act:

This product contains no chemical substances subject to the reporting requirements of TSCA 12 (B) if exported from the United States:

### California Proposition 65:

There are no detectable components of this product are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity.

**Other Regulations:** No other information available.

## SECTION 16: OTHER INFORMATION

<b>Revision Date</b>	:	05/09/2024
<b>Other Information</b>	:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.
<b>Party Responsible for the Preparation of This Document</b>	:	The Garland Company, Inc. 3800 East 91 <sup>st</sup> Street Cleveland, Ohio 44105-2197 T-1800-762-8225 F-216-641-0633

*This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.*

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