



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name(s):</b>	<b>Five Star® Epoxy Novolac Primer / Component A Resin</b>
Synonyms:	Not Applicable
Product Use:	For use with associated product hardener Five Star® Novolac Epoxy Primer Component B
Restrictions on Use:	To be used with specific Five Star® systems.
Manufacturer/Supplier	Five Star Products, Inc. 2 Enterprise Drive, Suite 303 Shelton, CT 06484 USA
Phone #:	203-336-7900
<b>Emergency Phone #:</b>	<b>VelocityEHS 1-800-255-3924 (Outside the U.S. 1-813-248-0585)</b>

## SECTION 2: HAZARD(S) IDENTIFICATION-GHS INFORMATION

<b>Classification:</b>	Skin Irritation, Category 2 Eye Irritation, Category 2A Skin sensitization, Category 1 Acute aquatic toxicity, Category 2 Chronic aquatic toxicity, Category 2
------------------------	--

**Label Elements/Hazard Pictograms:**



<b>Signal Word:</b>	Warning
<b>Hazard Statements:</b>	Causes skin irritation, H315 May cause an allergic skin reaction, H317 Causes serious eye irritation, H319 Toxic to aquatic life, H401 Toxic to aquatic life with long lasting effects, H411

<b>Precautionary Statements/Prevention:</b>	Avoid breathing dust/fume/gas/mist/vapors/spray, P261. Wash thoroughly after handling, P264. Contaminated work clothing should not be allowed out of the workplace, P272. Wear protective gloves/eye protection/face protection, P280.
---	---



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

**Response:** IF ON SKIN: Wash with plenty of soap and water. For specific treatment see Section 4 of this SDS. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

**Storage:** Not available.

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

**Hazards Not Otherwise Classified (HNOC):** None known.

**Supplemental Information:** None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixtures

Chemical Name	Common Name/Synonyms	CAS No.	% wt/wt
BISPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN	Not Available	25068-38-6	75-85
PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER	Not Available	28064-14-4	5-15
OTHER COMPONENTS BELOW REPORTABLE LEVELS	Not Available	Not Applicable*	5 - 15

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control center immediately.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens. Continue rinsing. Call a physician or poison control center immediately.



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

<b>Skin Contact:</b>	Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. For minor skin contact, avoid spreading material on unaffected skin. Wash contaminated clothing before reuse. Wash clothing separately before reuse.
<b>Ingestion:</b>	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.
<b>Most important symptoms/effects, acute and delayed:</b>	May cause an allergic skin reaction. Irritation of eyes.
<b>Indication of immediate medical attention and special treatment needed:</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General Advice:</b>	Wash contaminated clothing before reuse. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

## SECTION 5: FIRE-FIGHTING MEASURES

<b>Flammability and Explosion Information:</b>	Not available
<b>Sensitivity to Mechanical Impact:</b>	Not available
<b>MEANS OF EXTINCTION</b>	
<b>Suitable Extinguishing Media:</b>	Water fog. Foam. Dry chemical powder. Alcohol foam. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media:</b>	Water. Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical:</b>	Fire may produce irritating, corrosive and/or toxic gases.
<b>Special protective equipment and precautions for firefighters:</b>	Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

**Firefighting equipment/instructions:**

In the event of fire, cool tanks with water spray. Cool containers exposed to flames with water until well after the fire is out. Water runoff can cause environmental damage.

**Specific methods:**

Use water spray to cool unopened containers.

**General fire hazards:**

No unusual fire or explosion hazards noted.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

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

Extinguish all flames in the vicinity. This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.

**Environmental Precautions:**

Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling:**

Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. When using do not eat or drink. Do not get this material in contact with skin. Do not taste or swallow. Avoid prolonged exposure. Do not get this material on clothing. Observe good industrial hygiene practices. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling.

**Conditions for safe storage, including any incompatibilities:**

Store locked up. Store in original tightly closed container. Keep away from food, drink and animal feeding stuffs.



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

**Biological Limit Values:** No biological exposure limits noted for the ingredient(s).

**Appropriate Engineering Controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Eye/Face Protection:** Face shield is recommended. Wear safety glasses with side shields (or goggles).

**Skin/Hand Protection:** Wear appropriate chemical resistant gloves.

**Body Protection:** Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal Hazards:** Wear appropriate thermal protective clothing, when necessary.

**General Hygiene Considerations:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid
<b>Color:</b>	Clear to yellow-white
<b>Odor:</b>	Not Available
<b>Odor Threshold:</b>	Not Available
<b>Physical State:</b>	Liquid
<b>pH:</b>	Not Available
<b>Melting Point / Freezing Point:</b>	Not Available
<b>Initial Boiling Point and Range:</b>	302°F (150°C) estimated
<b>Flash Point:</b>	482.0°F (250.0°C) estimated
<b>Evaporation Rate:</b>	Not Available



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

<b>Flammability (solid, gas):</b>	Not Available
<b>Upper/Lower Flammability or Explosive Limits</b>	
<b>Flammability Limit – Lower (%)</b>	Not Available
<b>Flammability Limit – Upper (%)</b>	Not Available
<b>Explosive Limit – Lower (%)</b>	Not Available
<b>Explosive Limit – Upper (%)</b>	Not Available
<b>Vapor Pressure:</b>	0.01 hPa estimated
<b>Vapor Density:</b>	Not Available
<b>Density:</b>	1.15 g/cc
<b>Solubility (Water):</b>	Not Available
<b>Partition Coefficient: n-Octanol/Water:</b>	Not Available
<b>Auto-ignition Temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Viscosity:</b>	Not Available
<b>Specific Gravity:</b>	1.15

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical Stability:</b>	Stable under normal temperature conditions.
<b>Possibility of Hazardous Reactions:</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid:</b>	Contact with incompatible materials.
<b>Incompatible Materials:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure:

<b>Inhalation:</b>	May be harmful if inhaled.
<b>Skin Contact:</b>	Causes skin irritation. May cause an allergic skin reaction.
<b>Eye Contact:</b>	Causes eye irritation.



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

**Ingestion:** May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics:** Irritation of eyes and mucous membranes. Exposed individuals may experience eye tearing, redness, and discomfort. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

## Information on Toxicological Effects:

**Acute Toxicity:** Not known.

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Eye Irritation:** Causes eye irritation.

## Respiratory or Skin Sensitization:

**Respiratory sensitization:** Not a respiratory sensitizer.

**Skin Sensitization:** Causes skin irritation. May cause an allergic skin reaction. May cause allergic skin disorders in sensitive individuals.

**Germ Cell Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

## IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

## OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

## US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

**Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure:** Not classified.

**Specific target organ toxicity - repeated exposure:** Not classified.

**Aspiration Hazard:** Not an aspiration hazard.

**Chronic Effects:** Prolonged inhalation may be harmful.



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Product	Species	Test Results	
Epoxy Novolac Primer Component A			
<b>Aquatic</b>			
Crustacea	EC50	Daphnia	3.3809 mg/l, 48 hours estimated
Fish	LC50	Fish	1.8834 mg/l, 96 hours estimated
Components	Species	Test Results	
PHENOL-FORMALDEHYDE POLYMER GLYCIDYL ETHER (CAS 28064-14-4)			
<b>Aquatic</b>			
Acute			
Fish	LC50	Fish	1 – 10 mg/l

\* Estimates for product may be based on additional component data not shown.

**Persistence and Degradability:** No data is available on the degradability of this product.

### Bio-accumulative Potential

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal Instructions:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations:** Dispose in accordance with all applicable regulations.

**Hazardous waste code:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.





# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

## SECTION 14: TRANSPORT INFORMATION

### US DEPARTMENT of TRANSPORTATION (DOT)

**Proper Shipping Name:** Not Regulated as Dangerous Goods

**Class:** None

**UN #:** None

**Packing Group:** None

### INTERNATIONAL AIR TRANSPORTATION Proper Shipping Name (ICAO/IATA):

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(BISPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN, PHENOL-  
FORMALDEHYDE POLYMER GLYCIDYL ETHER)

**Class:** 9

**UN #:** 3082

**Packing Group:** III

### WATER TRANSPORTATION Proper Shipping Name (IMO/IMDG):

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(BISPHENOL A-(EPICHLORHYDRIN) EPOXY RESIN, PHENOL-  
FORMALDEHYDE POLYMER GLYCIDYL ETHER)

**Class:** 9

**UN#:** 3082

**Packing Group:** III

### Environmental Hazards:

**Marine Pollutant:** Yes

**EmS:** F-A, S-F

**Special precautions for user:** Not available.

### CANADA Transportation of Dangerous Goods (TDG)

**Proper Shipping Name:** Not regulated

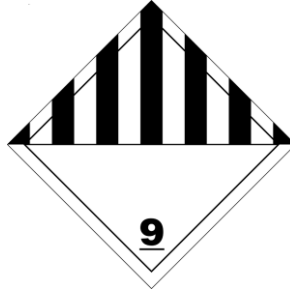
**Class:** None

**UN #:** None

**Packing Group:** None

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Not established.

**IMDG:**

**Marine Pollutant:**

**General information:**

IMDG Regulated Marine Pollutant.

**SECTION 15: REGULATORY INFORMATION**

<b>US Federal Regulations:</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):</b>	Not regulated.
<b>CERCLA Hazardous Substance List (40 CFR 302.4):</b>	Not listed.
<b>SARA 304 Emergency release notification:</b>	Not regulated.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052):</b>	Not regulated.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
<b>SARA 302 Extremely Hazardous Substance:</b>	Not listed.
<b>Classified Hazard Categories:</b>	Skin corrosion or irritation Serious eye damage or eye irritation Respiratory or skin sensitization



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

<b>SARA 313 (TRI reporting)</b>	Not regulated.
---------------------------------	----------------

## Other Federal Regulations:

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):** Not regulated.

**Safe Drinking Water Act (SDWA):** Not regulated.

## US STATE REGULATIONS

**California**  
**California Prop 65:** This product contains the following Proposition 65 chemicals:  
Chemical Name: Epichlorohydrin, CAS No. 106-89-8, CA Prop 65: Carcinogen, may contain trace amounts (<0.1%)  
Chemical Name: Bisphenol A, CAS No. 80-05-7, CA Prop 65: Birth defects or other reproductive harm – female, contains <1%  
Chemical Name: Epichlorohydrin, CAS No. 106-89-8, CA Prop 65: Birth defects or other reproductive harm – male, contains <0.1%

**Massachusetts** US Massachusetts Commonwealth's Right-to-Know Las (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

**New Jersey** US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

**Pennsylvania** US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

## International Inventories

Country(s) or Region:	Inventory Name	On Inventory (Yes/No) *
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No



# Safety Data Sheet

Date Revised: 08/24/2022

Supersedes: 04/14/2021

Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16: OTHER INFORMATION

### HMIS (Hazardous Material Identification System) Ratings:

Health	Flammability	Physical Hazard	Personal Protection
2	1	0	X, B

### References:

EPA: AQUIRE database  
 US. IARC Monographs on Occupational Exposures to Chemical Agents  
 HSDB® - Hazardous Substances Data Bank  
 IARC Monographs. Overall Evaluation of Carcinogenicity  
 National Toxicology Program (NTP) Report on Carcinogens  
 ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

### Disclaimer:

This information is furnished without warranty of any kind, expressed or implied. Five Star Products, Inc. bases the information and recommendations in this document on data believed to be current and accurate.