

1. Identification

Product Identifier: **Epoxy-It 80 Side "A" Hardener**
 Use: Epoxy Curing Agent. For Industrial/Professional use only.
 Manufacturer: Specialty Resin & Chemical
 58100 Park Place, Dowagiac, MI 49047
 Phone Number: 1-269-462-9256
 Emergency Phone: CHEMTREC 800-424-9300 or +1 (703) 527-3887

2. Hazards Identification

GHS Classification:

Acute Toxicity (oral) – Category 4
 Skin Corrosion – Category 1B
 Serious Eye Damage – Category 1
 Skin Sensitization – Category 1
 Reproductive Toxin – Category 2
 Hazardous to the Aquatic Environment – Acute Hazard Category 1
 Hazardous to the Aquatic Environment – Chronic Hazard Category 1

Label Elements: Danger



Hazard Phrases:

H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H361 Suspected of damaging fertility or the unborn child.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary Phrases:

P203 Obtain, read, and follow all safety instructions before use. P260 Do not breathe fumes, vapors, or mists.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink, or smoke when using this product.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves, protective clothing, and eye protection. P301+P317 IF SWALLOWED: Get medical help.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P316 Get emergency medical help immediately.
 P317 Get medical help.
 P318 IF exposed or concerned, get medical advice.
 P330 Rinse mouth.
 P333+P317 If skin irritation or rash occurs: Get medical help.
 P362+P364 Take off contaminated clothing and wash before reuse.
 P363 Wash contaminated clothing before reuse.
 P391 Collect spillage.
 P405 Store locked up.

P501 Dispose of contents and container in accordance with local, regional, and national regulations.

Supplemental Information: This is one part of a two-part system. Read and understand the hazard information on the Side "B" before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
4-Nonyl Phenol, branched	84852-15-3	50-60
Polyoxypropylenetriamine	Proprietary	40-50
Trade Secret Ingredients	Proprietary	0-10
Exact concentrations are withheld as trade secret. Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentrations limits.		

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water for at least 15 minutes, holding the eyelids open to be sure the material is washed out. Remove contact lenses if present and easy to do. Get medical attention immediately.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention immediately. Launder clothing before re-use. Discard items that cannot be decontaminated.

Inhalation: If inhaled, remove person to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention if symptoms develop or persists.

Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention immediately.

Most Important Symptoms/Effects: Causes severe skin burns and eye damage. May cause an allergic skin reaction.

Indication of Immediate Medical Attention/Special Treatment: Get immediately emergency medical help if on skin, in eyes, or ingested.

5. Fire-Fighting Measures

Extinguishing Media: Use foam, carbon dioxide, water fog or dry chemical.

Specific Hazards: Not classified as flammable or combustible.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors. Ventilate area.

Methods and Materials for Containment and Cleanup: Do not discharge material into waterways. Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid release to the environment.

7. Handling and Storage

Safe Handling: Obtain, read, and follow instructions before use. Avoid contact with eyes, skin, and clothing. Do not breathe fumes, vapors or mists. When using, do not eat, drink, or smoke. Use outdoors or with properly positioned local exhaust ventilation to prevent exposure. Wash thoroughly after handling. Keep container closed when not in use.

Safe Storage: Store indoors at temperatures between 40°F and 95°F. Store in original, unopened containers away from incompatible materials, open flames, and high temperatures.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For Trade Secret Ingredients:
ACGIH TLV 1ppm TWA

Ventilation: Use with properly positioned local exhaust ventilation to prevent exposure and maintain air levels below the occupational exposure limits.

Respiratory Protection: If ventilation is not adequate, use a NIOSH-approved respirator with organic vapor cartridges or supplied air. Respirator selection and use should be based on contaminant type, form, and concentration. For higher exposures or in an emergency, use a supplied-air respirator.

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety goggles or face shield.

Other Protective Measures: Wear impervious clothing to prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Liquid, clear colorless to light amber

Odor: Ammonia-like

Odor Threshold: No data available

pH: No data available

Melting Point/Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Evap. Rate: No data available

Flamm. Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: 1.0

Solubility: Insoluble in water

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: 1,000-1,200 cps

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: No data available.

Conditions to Avoid: Keep away from open flames, hot surfaces, sources of ignition.

Incompatible Materials: Avoid strong acids, strong oxidizing agents, strong reducing agents, acid chlorides, acid anhydrides, hypochlorites.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxides, ammonia, and nitric acid.

11. Toxicological Information

Eye Contact: Causes serious eye damage.

Skin Contact: Causes skin burns and eye damage.

Inhalation: No data available.

Ingestion: Harmful if swallowed.

Chronic Health Effects: May cause allergic skin reaction.

Acute Toxicity Values: For Polyoxypropylenetriamine:

Oral LD₅₀ (rat): 550 mg/kg

Dermal LD₅₀ (rat): >1,000 mg/kg

For Nonyl Phenol (CAS 84852-15-3):

Oral LD₅₀ (rat): 1,441 mg/kg

Dermal LD₅₀ (rat): >5,000 mg/kg

For Trade Secret Ingredients:

Oral LD₅₀ (rat): 1,030 mg/kg

Respiratory Sensitization: This product is not a respiratory sensitizer.

Skin Sensitization: This product may cause an allergic skin reaction.

Germ Cell Mutagenicity: Components are not classified as mutagens.

Carcinogenicity: Components are not classified as carcinogens.

Reproductive Toxicity: Product contains Nonyl Phenol (CAS 84852-15-3), a chemical suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity: No data available.

12. Ecological Information

Ecotoxicity: Very toxic to aquatic life with long lasting effects.

Avoid release to the environment.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Do not discharge into waterways. Dispose according to local, state, and federal regulations.

14. Transport Information

U.S. DOT: UN1760, Corrosive liquids, n.o.s (Nonyl phenol, polyoxypropylenetriamine), 8, III. (LTD QTY if shipped in quantities of 5L (1.32 gal) or less)

IMDG: UN1760, Corrosive liquids, n.o.s (Nonyl phenol, polyoxypropylenetriamine), 8, III, MARINE POLLUTANT. (LTD QTY if shipped in quantities of 5L (1.32 gal) or less)

AIR/IATA: UN1760, Corrosive liquids, n.o.s (Nonyl phenol, polyoxypropylenetriamine), 8, III, MARINE POLLUTANT.

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: The RQ for Nonyl Phenol is 1,000 lb. Some states have more stringent reporting requirements.

SARA TITLE III Section 311/312: Acute and Chronic Health Hazard Section 313 Toxic Chemicals: This product contains chemicals subject to SARA Title III Section 313 Reporting requirements:

4-nonyl phenol, branched (CAS 84852-15-3) 50-60%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer and/or reproductive harm. www.P65Warnings.ca.gov

16. Other Information

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial use only.

SDS Revision Notes: Updated GHS Format: April 15, 2021

Disclaimer: The information contained herein is considered accurate; however, Specialty Resin & Chemical makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.

1. Identification

Product Identifier: **Epoxy-It 80 Side "B" Resin**
 Use: Epoxy Resin. For Industrial/Professional use only.
 Manufacturer: Specialty Resin & Chemical
 58100 Park Place, Dowagiac, MI 49047
 Phone Number: 1-269-462-9256
 Emergency Phone: CHEMTREC 800-424-9300 or
 +1 703-527-3887

2. Hazards Identification

GHS Classification:

Skin Irritation – Category 2
 Eye Irritation – Category 2A
 Skin Sensitization – Category 1
 Specific Target Organ Toxicity – Single Exposure Category 3
 Hazardous to the Aquatic Environment – Acute Hazard Category 2
 Hazardous to the Aquatic Environment – Chronic Hazard Category 2

Label Elements: Warning



Hazard Phrases

H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H401 Toxic to aquatic life.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary Phrases

P261 Avoid breathing fumes, vapors, mists, or sprays.
 P264 Wash hands thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing should not be allowed out of the work area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves, eye protection, and face protection.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P319 Get medical help if you feel unwell.
 P333 + P317 If skin irritation or rash occurs: Get medical help.
 P337+P313 If eye irritation persists: Get medical advice or attention.
 P362+P364 Take off contaminated clothing and wash before reuse.
 P391 Collect spillage.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents and container in accordance with local, regional, and national regulations.

Supplemental Information: This is one part of a two-part system. Read and understand the hazard information on curative before using.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
Epoxy Resin	25068-38-6	90-100
Alkyl (C12-14) glycidyl ether	Proprietary	0-5
Trade Secret Ingredients	Proprietary	0-5

Exact concentrations are withheld as trade secret. Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentration limits.

4. First-Aid Measures

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Remove contact lenses if safe and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops or persists.

Inhalation: Remove person to fresh air. Get medical attention if symptoms develop or persist.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.

Most Important Symptoms/Effects: May cause an allergic skin reaction.

Indication of Immediate Medical Attention/Special Treatment: Treat symptoms.

5. Fire-Fighting Measures

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or spread fire.

Specific Hazards: Not classified as flammable or combustible. Product will burn under fire conditions. Combustion products include oxides of carbon, phenolics, aldehydes and other toxic organic compounds.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency

Procedures: Clear unnecessary, unprotected personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors.

Methods and Materials for Containment and Cleanup: Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid releases to the environment. Dispose of in accordance with applicable local and federal environmental laws and regulations.

7. Handling and Storage

Safe Handling: Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Do not eat, drink, or smoke in the work area. Keep container closed when not in use.

Safe Storage: Store indoors at temperatures below 120°F (49°C). Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: None established.

Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Respiratory Protection: If needed, an approved respirator with organic vapor cartridges may be used. Respirator selection and use should be

based on contaminant type, form, and concentration. For higher exposures or in an emergency, use a supplied-air respirator.

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety glasses/goggles.

Other Protective Measures: Prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and Chemical Properties

Appearance: Liquid, clear blue-tint

Odor: Epoxy

Odor Threshold: No data available

pH: No data available

Melting Point: No data available

Boiling Point: No data available

Flash Point: No data available

Evap. Rate: No data available

Upper/Lower Flammability Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: 1.12

Solubility: No data available

Partition Coefficient: n-octanol/Water: No data available

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: 10,000-12,000 cps

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions. After prolonged storage, may crystallize.

Possibility of Hazardous Reactions: Masses of ≥ 1 lb (0.5 kg) plus aliphatic amine will cause irreversible polymerization with considerable heat build-up. Material will polymerize with sodium hydroxide.

Conditions to Avoid: Avoid excessive heat.

Incompatible Materials: Avoid contact with strong oxidizing agents, acids, alkalis, amines, mercaptans.

Hazardous Decomposition Products: Uncontrolled exothermic reaction of epoxy resin releases carbon monoxide, carbon dioxide, phenolics, and aldehydes.

11. Toxicological Information

Eye Contact: Causes serious eye irritation.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Inhalation: Vapors from heated product may cause respiratory irritation.

Ingestion: No data available.

Chronic Health Effects: May cause an allergic skin reaction.

Acute Toxicity Values: Not acutely hazardous.

Respiratory Sensitization: Components are not respiratory sensitizers.

Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Components are not mutagens.

Carcinogenicity: Components are not carcinogens.

Reproductive Toxicity: Components are not reproductive toxins.

Specific Target Organ Toxicity: May cause respiratory irritation, drowsiness, or dizziness.

12. Ecological Information

Ecotoxicity: Toxic to aquatic life with long lasting effects. Do not release into waterways.

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: Low potential to bioaccumulate in aquatic organisms.

Mobility in Soil: No data available.

13. Disposal Considerations

Do not dump to ground, sewers, or watercourses. Dispose according to local, state, and federal regulations.

For U.S.: Upon disposal, this product is not a RCRA hazardous waste (per 40 CFR 261).

14. Transport Information

DOT: Non-Bulk packages (<882lb or <119gal) are not regulated for transport.

Bulk packages: UN3082, Environmentally hazardous substance, liquid, n.o.s. (epoxy resin), 9, III.

IATA/IMDG: UN3082, Environmentally hazardous substance, liquid, n.o.s (epoxy resin), 9, III, MARINE POLLUTANT

Exempted from IATA and IMDG regulations if shipped in quantities of 5L (1.32 gal) or less. (See IATA A197 and IMDG 2.10.2.7)

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Components are not subject to this reporting requirement. Some states have more stringent reporting requirements.

SARA TITLE III

Section 311/312: Acute and Chronic Health

Section 313 Toxic Chemicals: This product contains no chemicals subject to SARA Title III Section 313 reporting requirements.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All components in this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: WARNING: This product can expose you to chemicals including Methanol and Oxirane, chemicals known to the State of California to cause cancer and/or reproductive harm. www.P65Warnings.ca.gov

16. Other Information

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: Mold making and casting.

SDS Revision Notes: Updated GHS Format: April 15, 2021

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