

1. Identification

Product Identifier: **Part A (Resin)**
 Use: Epoxy Resin. For Industrial/Professional use only.
 Manufacturer: Makerflo Crafts
 6100 W Gila Springs Pl., Suite 13, Chandler,
 AZ 85226
 Phone Number: +1 623-263-5399 (11 a.m. to 7:00 p.m. EST)
 Emergency Phone: +1 623-263-5399
 E-mail: sales@makerflo.com

2. Hazards Identification

GHS Classification:

Skin Irritation – Category 2
 Eye Irritation – Category 2A
 Skin Sensitizer – Category 1
 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.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary Phrases

P261 Avoid breathing fumes, vapors, mists, or spray.
 P264 Wash with soap and water thoroughly after handling.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 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.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P317 If skin irritation or rash occurs: Get medical help.
 P337+P317 If eye irritation persists: Get medical help.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 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 #	%
Bisphenol-A Resin	1675-54-3	90-100
Glycidyl ethers	3101-60-8	0-10

Exact concentrations are withheld as trade secret. Other ingredients are not listed because they are either not hazardous or are below cut-off/concentration thresholds.

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. Wash contaminated clothing before reuse. Discard clothing that cannot be decontaminated.

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

Ingestion: Do not induce vomiting unless instructed to do so by a medical professional. 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.

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. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).

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 to amber

Odor: Mild

Odor Threshold: No data available

pH: Not determined.
Melting Point: No data available
Boiling Point: No data available
Flash Point: >250°C (>482°F)
Evap. Rate: No data available
Upper/Lower Flammability Limits: No data available
Vapor Pressure: No data available
Vapor Density: No data available
Relative Density: 1.16
Solubility: Nil to slightly soluble in water
Partition Coefficient: n-octanol/Water: No data available
Auto-Ignition Temp: No data available
Decomposition Temp: No data available
Viscosity: 9,500 cps @ 25°C

10. Stability and Reactivity

Reactivity: Not normally reactive.
Chemical Stability: Stable under recommended conditions.
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 allergic skin reaction.
Inhalation: No data available.
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: No data available.

12. Ecological Information

Ecotoxicity: Harmful to aquatic life with long lasting effects. Avoid release to the environment.
Do not release into waterways.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.

13. Disposal Considerations

Dispose according to local, state, and federal regulations. Do not dump in drains or sewers.

14. Transport Information

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

Excepted from IMDG and IATA regulations if shipped in quantities of 5L (1.32gal) or less. (See IATA SP A197 and IMDG 2.10.2.7)
Emergency Shipping Information: Call +1 623-263-5399

15. Regulatory Information

U.S. FEDERAL REGULATIONS:
CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements.

SARA TITLE III

Section 311/312: Acute/Chronic Health Hazard
Section 313 Toxic Chemicals: This product does not contain 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 Epichlorohydrin, which is 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/professional use only.

SDS Revision Notes: Updated GHS/HPR Format: May 6, 2021; Updated: October 11, 2021.

Disclaimer: The information contained herein is considered accurate; however, Makerflo Crafts 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: **Part B (Hardener)**
 Use: Epoxy Curing Agent. For Industrial/Professional use only.
 Manufacturer: Makerflo Crafts
 6100 W Gila Springs Pl., Suite 13, Chandler, AZ 85226
 Phone Number: +1 623-263-5399 (11 a.m. to 7:00 p.m. EST)
 Emergency Phone: +1 623-263-5399
 E-mail: sales@makerflo.com

2. Hazards Identification

GHS Classification:

- Acute Toxicity – Oral Category 4
- Skin Corrosion Category 1B
- Eye Damage/Irritation Category 1
- Skin Sensitization Category 1
- Toxic to Reproduction Category 2
- Aquatic Toxicity - Acute and Chronic Category 3

Label Elements: Danger



Hazard Phrases

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H361 Suspected of damaging fertility or the unborn child.
- H402 Harmful to aquatic life.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary Phrases

- P203 Obtain, read and follow all safety instructions before use.
- P260 Do not breathe mists.
- 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.
- P318 IF exposed or concerned, get medical advice.
- P333+P317 If skin irritation or rash occurs: Get medical help.
- P363 Wash contaminated clothing before reuse.
- 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 resin before use.

3. Composition/Information on Ingredients

Chemical Name	CAS #	%
4-Nonylphenol, branched	84852-15-3	60-70
Trade Secret Ingredients	Proprietary	30-40
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 present and easy to do. Continue rinsing. Get medical attention immediately.
Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention immediately. Wash contaminated clothing before reuse.
Inhalation: Remove person to fresh air. Get medical attention if symptoms develop or persist.
Ingestion: Rinse mouth. Do not induce vomiting. Get medical attention immediately.
Most Important Symptoms/Effects: Causes severe skin burns and eye damage. Harmful if swallowed.
Indication of Immediate Medical Attention/Special Treatment: Get immediate medical attention if on skin, in eyes, or swallowed.

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 eruption.
Specific Hazards: Not classified as flammable or combustible. Product will burn under fire conditions.
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: Clear non-emergency 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.

7. Handling and Storage

Safe Handling: Use with adequate ventilation. Avoid contact with the 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. Store in original containers. Avoid getting moisture into containers. Keep containers tightly closed.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits: For Trade Secret Ingredients:
 ACGIH TLV 2 ppm TWA
Ventilation: Use with adequate general or local exhaust ventilation to minimize exposure levels.
Respiratory Protection: If ventilation is inadequate, use a properly fitted, NIOSH-approved, air-purifying respirator with organic vapor cartridges. For higher exposures or in an emergency, use a supplied-air respirator. Use respirators in accordance with OSHA's Respiratory Protection Standard (29 CFR 1910.134).

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

Eye Protection: Wear chemical safety glasses or goggles.

Other Protective Measures: An eye wash facility and washing facility should be available in the work area. Avoid skin contact. Follow good Industrial Hygiene practices.

9. Physical and Chemical Properties

Appearance: Liquid, clear to colorless

Odor: Ammonia-like

Odor Threshold: No data available

pH: Alkaline

Melting Point: No data available

Boiling Point: No data available

Flash Point: >205°F

Evap. Rate: No data available

Flamm. Limits: No data available

Vapor Pressure: No data available

Vapor Density: >1 (Air = 1)

Relative Density: No data available

Solubility: No data available

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

Auto-Ignition Temp: No data available

Decomposition Temp: No data available

Viscosity: No data available

10. Stability and Reactivity

Reactivity: No specific data is available for this product.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: No data available.

Conditions to Avoid: No data available.

Incompatible Materials: Reactive or incompatible with acids and epoxy resins.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition should not occur.

11. Toxicological Information

Eye Contact: Causes serious eye damage.

Skin Contact: Causes severe skin burns and eye damage. May cause an allergic skin reaction.

Inhalation: May cause respiratory irritation.

Ingestion: Harmful if swallowed.

Chronic Health Effects: May cause an allergic skin reaction.

Acute Toxicity Values: For 4-nonyl phenol, branched:

Oral LD₅₀ (rat): 1,246 mg/kg

Respiratory Sensitization: Components are not respiratory sensitizers.

Skin Sensitization: Components are classified as skin sensitizers.

Germ Cell Mutagenicity: Components are not known mutagens.

Carcinogenicity: Components are not designated as carcinogens by NTP, IARC, or OSHA.

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity: No data available.

12. Ecological Information

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

Persistence and Degradability: Not readily biodegradable.

Bioaccumulative Potential: Low potential for bioaccumulation.

Mobility in Soil: No data available.

13. Disposal Considerations

Minimize waste generation. Dispose of with a licensed waste disposal contractor. Do not dispose of down the drain. Dispose according to local, state and federal regulations.

14. Transport Information

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

IATA/IMDG: UN1760, Corrosive liquid, n.o.s (nonyl phenol, polyoxypropylenediamine), 8, III, MARINE POLLUTANT.

Emergency Shipping Information: Call +1 623-263-5399

15. Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to this reporting requirement. Some states have more strict reporting requirements.

SARA TITLE III Section 311/312: Acute/Chronic Health

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

4-nonylphenol, branched (CAS 84852-15-3) 60-70%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: Components in 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/professional use only.

SDS Revision Notes: GHS format: February 22, 2021; GHS Update: August 31, 2021.

Disclaimer: The information contained herein is considered accurate; however, Makerflo Crafts 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.