

SAFETY DATA SHEET

Date of Issue: 12/15/2025

Version: 5.0

1. COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

PRODUCT NAME

NPR-5301 Epoxy Resin

NPR-5302 Epoxy Resin

NPR-5303 Epoxy Resin

NPR-5304 Epoxy Resin

NPR-5305 Epoxy Resin

MANUFACTURER

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CHEMICAL NAME

4,4'-(1-methylethyliden) bisphenol polymer with
chloromethyloxiran

TRADE NAME

Epoxy Resin

2. HAZARDS IDENTIFICATION

GHS Certification

Skin corrosion/irritation - Category 2

Serious eye damage/irritation - Category 2A

Skin sensitivity - Category 1

Chronic aquatic toxicity - Not applicable

GHS Label Elements

Hazard pictograms/symbols:



Signal Word: Warning

Hazard Statements:

H315: Cause skin irritation

H317: May cause allergic skin reaction

H319: Cause serious eye irritation
H411: Toxic to aquatic life with long lasting effect

Precautionary Statements:

Prevention: P261: Avoid breathing dust/fume/gas/mist/vapors/mist/spray
P264: Wash hands thoroughly after handling
P273: Avoid release to the environment
P280: Wear protective gloves/protective clothing/eye/face protection

Response: P273: Avoid release to the environment
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 15 minutes. Remove contact lenses if presented and easy to do. Continue rinsing.
P333+P313: if skin irritation or rash occurs: Get medical advice
P337+P313: if eye irritation persists, \: get medical advice/attention
P363: wash contaminated clothing before reuse.
P391: Collect spillage

Disposal: P501: disposal of contents/container to be specified in accordance with regulations.

Hazards not otherwise classified
None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS Number</u>	<u>Concentration, Weight</u>
Bisphenol A Epoxy Resin	025068-38-6	95-99%
Fumed Silica	67762-90-7	1-5%

Chemical Family: Epoxy Resins. The remaining components are a trade secret.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eye and lids. Do not attempt to neutralize with chemical agents. Obtain medical attention immediately.

Skin Contact: Immediately remove contaminated clothing and shoes. Under safety shower, flush skin thoroughly with large amounts of running water for at least 15 minutes. Do not attempt to neutralize with chemical agents. Discard or decontaminate clothing and shoes before reuse. Get medical attention immediately if severe reaction occurs.

Ingestion: Single dose oral toxicity is low. The oral LD50 for rats is > 5,000 mg/kg. No hazards anticipated from swallowing small amounts incidental to normal handling operations. If person swallows product, immediately give two glasses of water (16 oz.). Get medical attention immediately if severe reaction occurs.

Inhalation: Vapors are unlikely due to product's physical properties. However, if respiratory irritation occurs, step away from product and breathe fresh air. Get medical attention immediately if severe reaction occurs. If person is not breathing, clear person's airway and start artificial respiration.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
Dry sand
Limestone powder

Specific Hazards: Incomplete combustion may generate carbon monoxide.

Special PPE for Fire Fighters: A face shield should be worn. Use personal protective equipment. Wear self contained breathing apparatus for fire fighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Precautions: Wear suitable protective clothing, including gloves and face protection.
Evacuate personnel to safe area.
If possible, stop flow of product.
Prevent runoff and contact with soil, waterways, drains, and sewers.
Construct a dike to prevent spreading.

Clean Up Methods: **Small Spill:** Use sand or another non-combustible absorbent.
Place in appropriate waste container.
Dispose of waste in accordance with local regulation.
Large Spill: Notify local government

7. HANDLING AND STORAGE

Handling: Avoid breathing vapors and/or aerosols.
Avoid contact with eyes.
Use only in well-ventilated areas.
Use personal protective equipment.
When using do not eat, drink, or smoke.

Storage: Do not store near acids.
Keep container tightly closed in dry, cool, well-ventilated space.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures: A system of local and/or general exhaust is recommended to keep employee exposures below Exposure Limit

Personal Protective Equipment

Respiratory protection: Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear nitric or any appropriate chemical resistant gloves.

Eye protection: Chemical resistant goggles must be worn.

Skin and body protection: Long sleeve shirts and trousers . Impervious clothing.

Environmental exposure controls: Construct a dike to prevent spreading.

Exposure Limits

ACGIH TLV Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous liquid	Water solubility	Negligible
Odor	Mild	Density range	1.07 - 1.11 g/ml
Color	Green	Weight per gallon range	8.9 - 9.1 lb.
pH	6-8	Vapor pressure (25°C)	4.6x10-8 Pa
Melting point	4°F (-16°C)	Upper/lower explosion limit	Not applicable
Boiling point	>400°F (>204°C)	Auto-ignition temperature	No data available
Flash point	>510°F (>266°C)	Evaporation rate	No data available
Viscosity	100,000 - 1,000,000 cP (at 25°C, 2 rpm)		

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Possibility of hazardous reaction: Hazardous polymerization will not occur.

Conditions to avoid: Accumulation of electrostatic charges, overheating, flame.

Materials to avoid: Strong oxidizers

Hazardous decomposition In case of fire, potential hazardous decomposition products:

products: Carbon monoxide
Carbon dioxide
Flammable hydrocarbon fragments

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Likely routes of exposure

Effect on eyes:	Causes serious eye irritation.
Effect on skin:	Cause skin irritation May cause an allergic skin reaction
Inhalation effects:	Not available
Ingestion effect:	Not available

11.2. Delayed and immediate effect from short and long term exposure

Acute toxicity

Oral - Component Epoxy Resin	LD50 > 5,000 mg/kg	Species: Rat.
Inhalation:	No data is available on the product itself.	
Dermal - Components Epoxy Resin	LD50 - 2,000 mg/kg	Species: Rabbit.
Skin corrosion/irritation:	May cause skin irritation and allergic reaction.	
Serious eye damage/ eye irritation:	Risk of serious damage of eyes.	

Sensitization:	May cause sensitization by skin contact.
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Chronic toxicity or effect from long term exposures

Carcinogenicity:	No data available
Reproductive toxicity:	No data available
Germ cell mutagenicity:	No data available
Specific target organ toxicity:	No data available

Aspiratory hazards:

No data available

Contain no carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1% or greater.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:	No data is available on the product itself.
Toxicity to Fish:	
Epoxy resin	LC50 (96 hr) - 1.41 mg/l Species: Fathead minnow(Pimephales promelas)
Toxicity to Algae:	
Epoxy resin	EC50 (48 hr) - 1.7 mg/l
Toxicity to Other Organisms:	No data available.
Persistence:	log Kow = 2.81 (estimates)
Biodegradation:	Biodegradability = 0% 28 days
Mobility:	No data is available on the product itself.
Bioaccumulative Potential	
Epoxy resin	BCF = 056-0.67 (exposure concentrations: 10 ug/l, 5.6<= BCF = <6.8 (Exposure concentrations: 1ug/l)

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national and local laws and regulations.
Avoid dispersal of product into soil, waterways, drains, and sewers.

14. TRANSPORT INFORMATION**DOT**

UN No. (IMDG)	Not applicable
Proper shipping name:	Not applicable
Class or division:	Not applicable
IMDG Packing group:	Not applicable
Label(s):	Not applicable
Marine Pollutant:	Not applicable

Special precautions for user related to transportation measures

Local transport follows in accordance with Dangerous Goods Safety Management Law.
Package and transport follow in accordance with Department of transportation (DOT)

and other regulatory agency requirements.

EmS FIRE SCHEDULE: Non Hazmat

EmS SPILLAGE SCHEDULE: Non Hazmat

15. REGULATORY INFORMATION

National and/or international regulatory information

POPs Management Law Not applicable

Information of EU Classification

Classification

[4,4-(1-methylenethyliden)bisphenol polymer with (chloromethyl)oxirane]: Xi; R36/38 R43 N; R51-53

Risk Phrase

[4,4-(1-methylenethyliden)bisphenol polymer with (chloromethyl)oxirane]: R36/38 R43, R51-53

Safety Phrase

[4,4-(1-methylenethyliden)bisphenol polymer with (chloromethyl)oxirane]: S2, S28, S37/39, S61

U.S. Federal Information

OSHA PROCESS SAFETY (29CFR1910.119)

Not applicable

CERCLA Section 103 (40CFR302.4)

Not applicable

EPCRA Section 302 (40CFR355.30)

Not applicable

EPCRA Section 304 (40CFR355.40)

Not applicable

EPCRA Section 313 (40CFR372.65)

Not applicable

Rotterdam Convention listed ingredients

Not applicable

Stockholm Convention listed ingredients

Not applicable

Montreal Protocol listed ingredients

Not applicable

16. OTHER INFORMATION**HMIS Rating**

Health	2
Flammability	1
Reactivity	0
Personal Protection	D

Prepared in accordance with the Globally Harmonized System (GHS).**17. DISCLAIMER**

The information contained in this safety data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by Neopoxy LLC and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.