SAFETY DATA SHEET

Date of Issue: 12/15/2025
Version: 5.0

1. COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

PRODUCT NAME	NPR-5305 One-Step Epoxy Kit
MANUFACTURER	Neopoxy LLC 23964 Clawiter Road Hayward, CA 94545
PHONE	(510) 782-1290
EMERGENCY PHONE (24 HOURS)	**(800) 424-9300**
CHEMICAL NAME	Reactive Mixture
TRADE NAME	Epoxy Resin and Hardener

2. HAZARDS IDENTIFICATION

GSH Certification

Acute toxicity - Oral Category 4
Acute toxicity - Inhalation Category 4
Skin corrosion - Category 1C
Serious eye damage - Category 1
Skin sensitivity - Category 1

GHS label elements

Hazard pictograms/symbols:

Signal Word: Danger

Hazard Statements:

H302+H332: Harmful if swallowed or if inhaled
H314: Causes severe skin burns and eye damage
H317: Make cause allergic skin reaction

Precautionary Statements:

Prevention: P261: Avoid breathing dust/fume/gas/mist/vapors/mist/spray

P264: Wash hands thoroughly after handling
P280: Wear protective gloves/protective clothing/eye/face protection

Response: P301+P330+P331: if swallowed: rinse mouth. Do not induce vomiting
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 for15 minutes. Remove contact lenses if presented and easy to do. Continue rinsing.
P310: immediately call poison center/doctor.
P333+P313: if skin irritation or rash occurs: Get medical advice
P363: wash contaminated clothing before reuse.

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

Hazards not otherwise classified

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Concentration, Weight
Benzene-1,3-dimethaneamine	1477-55-0	21.5-22.5%
Alkylphenol	84852-15-3	1.75-2.25%
Titanium Dioxide	13463-67-7	25-26%
Bisphenol A Epoxy Resin	025068-38-6	47.5-49.5%
Fumed Silica	67762-90-7	1.5-3.5%

Chemical Family: Aliphatic Amines. 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: If person is conscious and can swallow, immediately give two glasses of water (16 oz.). DO NOT induce vomiting. This material is corrosive. If vomiting occurs, give fluids again. Get medical attention immediately. Have a physician determine if condition of patient will permit induction of vomiting or evacuation of stomach. DO NOT give anything by mouth to an unconscious or convulsing person.

Inhalation: If inhaled, step away from product and breathe fresh air. If in respiratory distress, get medical attention immediately. 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: May generate ammonia gas and toxic nitrogen oxide gases.
Use of water may result in the formation of very toxic aqueous solution.
Do not allow run-off from firefighting to enter drains or water sources.
Incomplete combustion may form carbon monoxide.
Ammonia gas may be liberated at high temperatures.
In case of incomplete combustion an increased formation of nitrogen oxides (N0x) is to be expected.
Burning produces noxious and toxic fumes.

Special PPE for Firefighters: 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

Benzyl alcohol	Time Weighted Average :	10 ppm	10 ppm	44.20 mg/m3
Benzene-1,3-dimethaneamine (MXDA)	Ceiling Limit Value: ACGIH			0.1 mg/m3
	Ceiling Limit Value: NIOSH			0.1 mg/m3
	Ceiling Limit Value: OSHA Z1A			0.1 mg/m3
	Ceiling Limit Value: US CA OEL			0.1 mg/m3
	Ceiling Limit Value: TN OEL			0.1 mg/m3

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Viscous liquid	**Water solubility**	Negligible
Odor	Amine-like	**Density range**	1.30-1.40
Color	White	**Weight per gallon range**	10.9-11.2 Lbs.
pH	>11	**Vapor pressure**	7.50mm Hg at 70*F
Melting point	No data available	**Upper/lower explosion limit**	Not applicable
Boiling point	>225*F (>107*C)	**Auto-ignition temperature**	No data available
Flash point	>225*F (>112*C)	**Evaporation rate**	No data available

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions.

Materials to avoid: Sodium hypochlorite.
Organic acids.
Mineral acids.
Products slowly corrodes copper, aluminum and zinc.
Reaction with peroxides may result in violent peroxide decomposition possibly creating an explosion.
Reactive metals(e.g. sodium, calcium, zinc, etc.).
Materials reactive with hydroxyl compounds.
Oxidizing agents.

Hazardous decomposition products: In case of fire, potential hazardous decomposition produces:
Carbon monoxide
Carbon dioxide
Nitric acid
Ammonia
Nitrogen oxides (NOx)
Aldehydes
Flammable hydrocarbon fragments

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure

Effect on eyes: Causes eye burns or blindness.

Effect on skin: May affect central nervous system, including headache, nausea, dizziness, tiredness and vomiting. May cause skin burns.

Inhalation effects: Harmful if inhaled and may cause delayed lung injury. May affect central nervous system, including headache, nausea, dizziness, confusion, and breathing difficulties. Severe cases of overexposure can result in respiratory failure. Inhalation of vapor and aerosols in high concentration may cause irritation of respiratory system.

Ingestion effect: Harmful if swallowed. May affect central nervous system, including headache, nausea, dizziness, confusion, and breathing difficulties.

Symptoms: Repeated and/or prolonged exposure to low concentrations of vapors and/or aerosols may cause sore throat, neurological disorders, asthma, skin disorders, allergies, or eye disease.

Acute toxicity

Acute oral toxicity: LD50 > 1,230 mg/kg Species: Rat.

Inhalation: No data is available on the product itself.

Inhalation - Components

Benzyl alcohol	LC50 (4 hr) : >4,178 mg/l	Species: Rat.
Benzene-1,3-dimethaneamine (MXDA)	LC50 (4 hr) : >1.34 mg/l	

Acute dermal toxicity: No data is available on the product itself.

Acute dermal toxicity - Components

Benzyl alcohol	LD50 - 2,000 mg/kg

Benzene-1,3-dimethaneamine (MXDA)	LD50 - 2,000 mg/kg

Skin corrosion/irritation: Destruction of skin tissue as a result of up to 4 hours exposure. Corrosion in an in vitro test.

Serious eye damage/ eye irritation: Risk of serious damage of eyes.

Sensitization: May cause sensitization by skin contact.

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

This product contains no listed 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:

Benzyl alcohol	LC50 (96 hr) - 460 mg/l Species: Fathead minnow(Pimephales promelas)

Toxicity to Algae:

Benzyl alcohol	IC50 (72 hr) - 700 mg/l
Benzene-1,3-dimethaneam	EC50 (72 hr) - 12 mg/l

Toxicity to Other Organisms: No data available.

Persistence and Degradability

Biodegradability: No data is available on the product itself.

Mobility: No data is available on the product itself.

Bioaccumulation: Low bioaccumulation potential.

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 / IATA / IMDG / TDG

UN/ID No.:	UN2735
Proper shipping name:	Amines, Liquid, Corrosive, N.O.S. (Aliphatic amine)
Class or division:	8
Packing group:	lll
Label(s):	8
Marin Pollutant:	No

This product contains a substance that:
1) Is regulated as a Marine Pollutant, or
2) Meets definition of toxic to the aquatic environment.

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA) 12(b) Component(s):

Country	Regulatory list	Notification
USA	TSCA	Included on inventory.
EU	EINECS	Included on EINECS inventory of polymers substance, monomers, included on EINECS inventory or no longer polymers.
Canada	DSL	Included on inventory.
Australia	AICS	Included on inventory.
Japan	ENCS	Included on inventory.
South Korea	ECL	Included on inventory.
China	SEPA	Included on inventory.
Philippines	PICCS	Included on inventory.

EPA SARA Title lll Section 312 (40CFR 370) Hazard Classification

Acute Health Hazard

EPA SARA Title lll Section 313 (40 CFR 372) Component(s) above 'de minimus' level

None

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain chemicals known to State of California to cause cancer, birth defects, or any other harm.

16. OTHER INFORMATION

HMIS Rating

Health 3

Flammability	1
Reactivity	1
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.