SAFETY DATA SHEET (SDS)
NPR-5305 One-Step Kit

Version 3.2
Date of issue: 9/1/2023

1. COMPANY IDENTIFICATION AND CHEMICAL PRODUCT

MANUFACTURER	Neopoxy LLC 23964 Clawiter Road Hayward, CA 94545
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EMERGENCY PHONE (24 HOURS)	**(800) 424-9300**
PRODUCT NAME	*NPR-5305 One-Step Kit*
CHEMICAL NAME	*Reactive mixture*

	COMPONENTS	**CAS NUMBER**	**PERCENT**
1	Aliphatic amine mixture	Mixture	20-23
2	Alkylphenol	84852-15-3	2.0-4.0
3	Titanium dioxide	13463-67-7	23-25
4	Hydrophobic fumed silica	67762-90-7	1.0-3.0
5	4,4'(1-methylethyliden)bisphenol polymer with chloromethyloxiran	025085-99-8	46-49

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
Benzyl Alcohol	100-51-6	< 12%
Benzene-1,3-dimethaneamine	1477-55-0	< 7%
Alkylphenol	84852-15-3	< 4%
Titanium dioxide	13463-67-7	< 26%
Fumed Silica	67762-90-7	< 4%
4,4'(1-methylethyliden)bisphenol polymer with chloromethyloxiran	025085-99-8	< 48%

Chemical Family: Aliphatic Amines. The remaining components are trade secret.

4. FIRST AID MEASURES

General advice: Seek medical advice. If breathing has stopped or is labored, give assisted respiration. Supplemental oxygen

	may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
Eye contact:	Rinse immediately with plenty of water for at least 15 minutes.
Skin contact:	Immediately remove contaminated clothing, without delay. NOTE TO PHYSICIANS: application of corticosteroid cream has been affective in treating skin irritation.
Ingestion:	Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in recovery position. Prevent aspiration or vomit. Turn victim's head to the side.
Inhalation:	If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately. Move to fresh air.

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. I case of incomplete combustion an increased formation of nitrogen oxides (N0x) is to be expected. Downing personnel must be evacuated. Burning produces noxious and toxic fumes.
Special protective equipment 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

Personal precautions, protective, equipment, and emergency procedures:	Use self-contained breathing apparatus and chemical protective clothing. Wear suitable protective clothing, gloves and eyes/face protection. Evacuate personnel to safe area.

Environmental precautions:	Construct a dike to prevent spreading.
Method for cleaning up	Approach suspected leak areas with caution. Call Emergency Response number for advice. Place in appropriate waste container.

7. HANDLING AND STORAGE

Handling:	Avoid breathing vapors and/or air sols. 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 tight closed in dry cool and well-ventilated place.

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	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	10.9-11.6
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.

Conditions to avoid: No data available.

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 hazardous decomposition products can be produced as:
Carbon monoxide.
Carbon dioxide.
Nitric acid.
Ammonia.
Nitrogen oxides (NOx).
Aldehydes.
Flammable hydrocarbon fragments.

Possibility of hazardous reaction: No data available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Likely routes of exposure

Effect on eyes: Causes eye burn. May cause blindness.

Effect on skin: If absorbed through skin, may cause central nervous system effect, such as headache, nausea, dizziness, tiredness and vomiting.
Cause skin burns

Inhalation effects: Harmful if inhaled and may cause delayed lung injury. May cause central nervous system effect, such as headache, nausea, dizziness, confusion, breathing difficulties. Sever cases of overexposure can result respiratory failure. Inhalation of vapor and

aerosol in high concentration may cause irritation of respiratory. system.

Ingestion effect: Harmful if swallowed. May cause central nervous system effect, such as headache, nausea, dizziness, breathing difficulties, abdominal pain. Severe cases of overexposure can result respiratory failure.

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

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

Acute dermal toxicity - Components

Benzyl alcohol	LD50 - 2,000 mg/kg	Species: Rat.
Benzene-1,3-dimethaneamine (MXDA)	LD50 - 2,000 mg/kg	Species: Rat.

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

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity: No data is available on the product itself.

Toxicity to fish - Components

Benzyl alcohol	LC50 (96 hr) - 1.41 mg/l Species: Fathead minnow (Pimephales promelas)

Toxicity to algae - Components

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

Toxicity on 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: No data is available on the product itself.

Bioaccumulation - Components: BCF = 056-0.67 (exposure concentrations: 10 ug/l, 5.6
BCF = <6.8 (Exposure concentrations: 1ug/l)

13. DISPOSAL CONSIDERATIONS

Contaminated packaging: Dispose of containers and unused contents in accordance with federal state and local requirements.

14. TRANSPORT INFORMATION

DOT

UN ID No.: UN2735

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

IATA

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

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

IMDG

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

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

TDG

Class or division:	UN2735
Proper shipping name:	Amines, Liquid, Corrosive, N.O.S. (Aliphatic amine)
Class or division:	8
Packing group:	III
Label(s):	8
Marin Pollutant:	Yes

Note: 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):

None:

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 any chemicals none to State of California to cause cancer, birth defects or any other harm.

16. OTHER INFORMATION

HMIS Rating

Health	3
Flammability	1
Physical hazard	1

Prepared in according to the Global Harmonized System (GHS).

Prepared by Neopoxy LLC

Telephone: (510) 782-1290

Preparation Date: 9/1/2023

NOTE:
Neopoxy LLC makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. Neopoxy LLC assumes no responsibility for injury from the use of products described herein.
This Safety Data Sheet (SDS) was complied with data and information from the following sources: KOSHA, NITE, ESIS, NLM, SIDS, IPCS.