



SAFETY DATA SHEET

Date Issued : 12/30/2014

SDS No : UVPH

UVPoxy Hardener

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: UVPoxy Hardener**GENERAL USE:** Liquid Amine mixture for the curing of epoxy resins.**PRODUCT CODE:** UVPH**MANUFACTURER**

EcoPoxy

Box 220

Morris, MB R0G 1K0

Emergency Phone: ChemTel(800)255-3924**Customer Service:** (855) 326-7699**E-Mail:** info@ecopoxy.com

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Eye Corrosion, Category 1

Skin Corrosion, Category 1

Aspiration Hazard, Category 1

Target Organ Toxicity (Single exposure), Category 3

Reproductive Toxicity, Category 2

Environmental:

Aquatic Toxicity (Acute), Category 2

Aquatic Toxicity (Chronic), Category 2

GHS LABEL

Corrosion

Health
hazard

Environment

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H314: Causes severe skin burns and eye damage.

H304: May be fatal if swallowed and enters airways.

H335: May cause respiratory irritation.

H361: Suspected of damaging fertility or the unborn child.

H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT(S)

Prevention:

P202: Do not handle until all safety precautions have been read and understood.
 P271: Use only outdoors or in a well-ventilated area.
 P260: Do not breathe dust/fume/gas/mist/vapors/spray.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P264: Wash thoroughly after handling.
 P273: Avoid release to the environment.

Response:

P310: Immediately call a POISON CENTER or doctor/physician.
 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.
 P363: Wash contaminated clothing before reuse.
 P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position 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.
 P391: Collect spillage.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501: Dispose of contents/container in accordance with all Federal, State, and local regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Transparent Yellow Liquid

IMMEDIATE CONCERNS: **Corrosive.** Causes burns to skin and eyes. May be fatal if swallowed. May cause respiratory tract irritation.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive, contact causes severe eye burns.

SKIN: Corrosive, causes skin burning.

INGESTION: May be harmful or fatal if swallowed. Liquid may enter the lungs when swallowed or vomited, possibly causing serious lung damage.

INHALATION: May be harmful if inhaled. Causes respiratory tract irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polyoxypropylenediamine	30 - 35	9046-10-0
Nonylphenol	50 - 60	84852-15-3
Proprietary Amine	10	N/A
Non Hazardous additives	< 1	N/A

COMMENTS: The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

EYES: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Get medical attention.

SKIN: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

INGESTION: Aspiration hazard. If swallowed, Do NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Rinse mouth with water. Never give anything by mouth to an unconscious person. Call a physician immediately.

INHALATION: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

NOTES TO PHYSICIAN: No specific treatment, treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested or inhaled.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Not categorized as Flammable by GHS standards.

EXTINGUISHING MEDIA: Use an extinguishing media suitable to the surrounding fire.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides (CO₂, CO), and Nitrogen Oxides

OTHER CONSIDERATIONS: Do not allow run-off from fire fighting to enter drains or water courses.

EXPLOSION HAZARDS: This product is not considered to be an explosion hazard.

FIRE FIGHTING PROCEDURES: Evacuate any non-essential personnel. Extinguish all ignition sources if safe to do so. Use water to cool exposed containers and structures until fire is out. Avoid spreading burning material with water used for cooling purposes.

FIRE FIGHTING EQUIPMENT: Full Bunker gear(helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Extinguish all near by ignition sources. Stop leak if it can be done safely. Prevent from entering waterways and sewers. Absorb with non-combustible material and transfer into appropriate disposal container.

LARGE SPILL: Follow procedure for small spills. Dike ahead of spill to contain material. Notify proper authorities if the spill cannot be contained. Follow local, state, and federal regulations for disposal.

GENERAL PROCEDURES: Always ensure proper ventilation from any spill. Respirators or SCBA are required if permissible exposure limits are exceeded due to inadequate general ventilation. All spills should be contained as best as possible. All chemical spills should be assumed to be hazardous to the environment to ensure safety.

7. HANDLING AND STORAGE

HANDLING: Avoid ignition sources (flame, spark, smoking, etc.) in use or handling areas. Do not ingest or breathe vapors/fumes/dust. Avoid contact with eyes and skin. Always wear proper PPE when handling. Provide sufficient ventilation. Respirator may be required if insufficiently ventilated.

STORAGE: Store in a cool, dry, well-ventilated area, away from any sources of ignition and incompatible materials. Keep all equipment grounded to avoid static sparking. Keep container closed when not being used.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Polyoxypropylenediamine	TWA	N/E [1]	[1]	N/E	
Nonylphenol	TWA	N/E [1]	[1]	N/E	
Proprietary Amine	TWA	N/E [1]	[1]	N/E	
Footnotes: 1. N/E = Not Established					

ENGINEERING CONTROLS: Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits (PEL/TLV). Any installed emergency eye wash station or safety showers should be located near the work area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and/or face shield. Always use proper eye protection around the work area.

SKIN: Wear impermeable gloves. Clothing should limit skin exposure. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product. Maintain eyewash and shower station near work area in case of exposure.

RESPIRATORY: Vapor respirator may be required if exposure limits are exceeded. Use a NIOSH approved respirator or equivalent when required. Proper mechanical ventilation should be installed to ensure the exposure levels are below the allowable thresholds (PEL/TLV).

WORK HYGIENIC PRACTICES: Never eat or drink in areas where the chemical is being used. Wash hands after handling to limit exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid.

ODOR: Ammonia like odor.

ODOR THRESHOLD: No data available.

APPEARANCE: Viscous clear to yellow liquid.

COLOR: Clear to yellow

pH: Alkaline

PERCENT VOLATILE: No data available.

FLASH POINT AND METHOD: 128°C (262°F) to 154°C (310°F) Closed Cup

FLAMMABLE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: No data available.

VAPOR PRESSURE: < 1 mm Hg @ 100 C

VAPOR DENSITY: > 1 (Air =1)

BOILING POINT: > 232°C (446°F)

FREEZING POINT: No data available.

MELTING POINT: No data available.

POUR POINT: No data available.

SOLUBILITY IN WATER: Slightly soluble

EVAPORATION RATE: No data available.

DENSITY: No data available.

SPECIFIC GRAVITY: 0.948 (Water = 1)

(VOC): %

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POLYMERIZATION: Under normal conditions of use, hazardous reactions will not occur.

CONDITIONS TO AVOID: Avoid contact with incompatible materials and ignition sources / heat.

INCOMPATIBLE MATERIALS: Avoid all unplanned contact with strong reactive chemicals, Acids, Bases, Aliphatic Amines, and Oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Polyoxypropylenediamine	2855.3 mg / kg (Rat)	2979.7 mg / kg	> 0.74 mg/L (8h)
Nonylphenol	1412 mg / kg (oral Rat)	2031 mg / kg (dermal Rabbit)	

EYE EFFECTS: Corrosive to the eyes.

SKIN EFFECTS: Corrosive to the skin.

CARCINOGENICITY

Notes: Not considered carcinogenic by OSHA, NTP, or IARC.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Considered very toxic to aquatic organism, may cause long-term adverse effects in the aquatic environment. Not readily biodegradable. Shows high bioaccumulation potential. Water polluting material. May be harmful to the environment if released in large quantities.

ECOTOXICOLOGICAL INFORMATION: Do NOT discharge into sewers or waterways.

AQUATIC TOXICITY (ACUTE): Acute toxicity to fish, Toxicity to aquatic plants

Notes: Material is a Marine Pollutant. Components are considered hazardous to the environment, consult environmental data for toxicity values.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be in accordance with all Federal, State, and local regulations. Empty containers may still be considered dangerous due to residual vapors/liquid/dust.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Amines, Liquid, Corrosive n.o.s.

TECHNICAL NAME: Nonylphenol

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 2735

PACKING GROUP: III

MARINE POLLUTANT #1: Listed.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Amines, Liquid, Corrosive n.o.s.

UN NUMBER: 2735

HAZARD CLASS: 8

PACKING GROUP: III

AIR (ICAO/IATA)

SHIPPING NAME: Amines, Liquid, Corrosive n.o.s.

TECHNICAL NAME: Nonylphenol

UN/NA NUMBER: 2735

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

VESSEL (IMO/IMDG)

SHIPPING NAME: Amines, Liquid, Corrosive n.o.s.

TECHNICAL NAME: Nonylphenol

UN/NA NUMBER: 2735

PRIMARY HAZARD CLASS/DIVISION: 8

PACKING GROUP: III

EmS: F-A ; S-B

MARINE POLLUTANT #1: Listed.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate (acute) Health Hazard, Chronic (Delayed) Health Hazard.

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Not Listed.

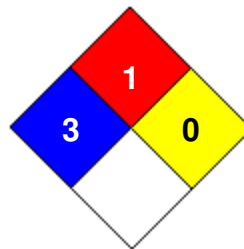
302/304 EMERGENCY PLANNING**EMERGENCY PLAN:** None**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)****CERCLA REGULATORY:** Not Listed.**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** All items are TSCA listed**TSCA STATUS:** TSCA 8b**CLEAN AIR ACT****40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION:** This product does not contain nor is it manufactured with ozone depleting substances.**CALIFORNIA PROPOSITION 65:** This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.**CANADA****WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM):** Listed.**WHMIS CLASS:** Class E: Corrosive Material

Class D-2A: Very toxic material causing other toxic effects

Class D-2B: Toxic material causing other toxic effects

CANADIAN ENVIRONMENTAL PROTECTION ACT: All components are listed.**DOMESTIC SUBSTANCE LIST (INVENTORY):** All components are listed.**16. OTHER INFORMATION****PREPARED BY:** JM**HMIS RATING**

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

NFPA CODES**HMIS RATINGS NOTES:** The customer is responsible for determining the PPE code for this material.**MANUFACTURER DISCLAIMER:** This information is compiled from sources believed reliable as of the date of issue, it is provided in good faith and correct to the best of our knowledge. No warranty, guarantee, or representation is made as to the sufficiency of the information for the safe use of the product nor to relieve the end user of their own Federal, State, and Local regulatory compliance requirements.