



SAFETY DATA SHEET

Date Issued : 1/25/23
SDS No : MVB UltraRapid

MVB UltraRapid

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MVB Ultrarapid
GENERAL USE: Epoxy curing agent.
PRODUCT CODE: AR 125 B
PRODUCT FORMULATION NAME: AR 125 B
CHEMICAL FAMILY: Epoxy Curative

MANUFACTURER: PPI Tech

24 HR. EMERGENCY TELEPHONE NUMBERS

Poison Control Center (Medical) : (877) 800-5553
CANUTEC (Canadian Transportation) : (613) 996-6666
CHEMTREC (US Transportation) : (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Serious Eye Damage, Category 1
Skin Corrosion, Category 1B
Skin Sensitization, Category 1
Acute Toxicity (Dermal), Category 4
Acute Toxicity (Oral), Category 4

Environmental:

Acute Hazards to the Aquatic Environment, Category 3
Chronic Hazards to the Aquatic Environment, Category 1

GHS LABEL

Health, Environmental



Exclamation
mark



Corrosion



Environment



Health
hazard

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H373: May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H361: Suspected of damaging fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H410: Very toxic to aquatic life with long lasting effects.



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H330: Fatal if inhaled.

PRECAUTIONARY STATEMENTS

Prevention:

- P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P264: Wash ... thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P273: Avoid release to the environment.
 P310: Immediately call a POISON CENTER/doctor/...
 P202: Do not handle until all safety precautions have been read and understood.
 P201: Obtain special instructions before use.

Response:

- P314: Get medical advice/attention if you feel unwell.
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304+P341: IF INHALED: If breathing is difficult, remove victim 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.
 P322: Specific measures (see ... on this label).
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P363: Wash contaminated clothing before reuse.
 P308+P311: IF exposed or concerned: Call a POISON CENTER/doctor/...
 P391: Collect spillage.
 P362: Take off contaminated clothing.

Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P405: Store locked up.

Disposal:

- P501: Dispose of contents/container to ...

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Phenol, 4-(1,1-dimethylethyl)-	< 50	98-54-4
Trimethyl hexamethylene diamine	< 30	25513-64-8
1,3-Benzenedimethanamine	< 30	1477-55-0
4-nonylphenol, Branched	< 5	84852-15-3

4. FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. Call a physician immediately.

SKIN: Immediately remove contaminated clothing and shoes. Wash the affected area with plenty of soap and water until no evidence of the chemical remains (at least 15-20 minutes). Wash contaminated clothing before reuse. If skin irritation occurs: get medical



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advice/attention.

INGESTION: Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out the mouth with water. Get medical attention immediately

INHALATION: Get immediate medical attention. Take precautions to ensure your own safety. Remove from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Avoid mouth-to-mouth contact by using a barrier device. If the heart has stopped, start cardiopulmonary resuscitation (CPR).

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: NFPA Combustible Liquid Class IIIB

GENERAL HAZARD: Thermal decomposition can lead to release of irritating gases and vapors.

EXTINGUISHING MEDIA: Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.

FIRE FIGHTING PROCEDURES: Do not use water stream as an extinguisher, as this will spread the fire.

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Eliminate all possible sources of ignition. Wear appropriate personal protective equipment. Stop leak if possible to do so safely. Contain spilled material and soak up with suitable absorbent.

LARGE SPILL: Extinguish possible sources of ignition. Evacuate all unprotected personnel and ventilate area. Only personnel equipped with proper respiratory, skin/eye protection should enter spill area. Dike area to contain spill and clean up by absorbing on an inert absorbant or other means.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow to enter drains or waterways.

LAND SPILL: Should not be released into the environment.

GENERAL PROCEDURES: Ensure adequate ventilation. Ensure air handling systems are operational.

RELEASE NOTES: All clean-up material should be removed and placed in appropriate containers, labeled and stored in a safe place prior to proper treatment or disposal.

SPECIAL PROTECTIVE EQUIPMENT: Wear appropriate personal protective clothing and equipment for spills and leaks. Change contaminated clothing and laundry before reuse or discard.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

HANDLING: Use with adequate ventilation. Use personal protective equipment.

STORAGE: Store in a cool, well ventilated area. Protect from freezing and physical damage. Keep container tightly sealed. Hold bulk storage under nitrogen blanket.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the work area.

Adequate ventilation should be provided so that exposure limits are not exceeded.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or



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spraying of material.

SKIN: Avoid skin contact. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good hygiene practices. Wash and dry hands.

RESPIRATORY: If risk assessment indicates that respiratory protection is needed: use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards.

PROTECTIVE CLOTHING: Permeation resistant clothing and foot protection.

WORK HYGIENIC PRACTICES: Employees should wash their hands and face before eating, drinking, or using tobacco products. Good housekeeping practices should include making sure all containers are kept closed and properly stored.

OTHER USE PRECAUTIONS: Properly maintain a safety shower and an eyewash facility in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Fluid

ODOR: Characteristic.

pH: > 7.0

FLASH POINT AND METHOD: ~ 113°C (235°F) Closed Cup

LOWER EXPLOSION LIMIT: Not available.

UPPER EXPLOSION LIMIT: Not available

AUTOIGNITION TEMPERATURE: No data available

VAPOR PRESSURE: No data available

VAPOR DENSITY: No data available

BOILING POINT: > 237°C (459°F)

FREEZING POINT: No data available

MELTING POINT: No data available

POUR POINT: No data available

DECOMPOSITION TEMPERATURE: No data available

SOLUBILITY IN WATER: Not Determined.

EVAPORATION RATE: No data available

DENSITY: Not Determined.

SPECIFIC GRAVITY: No data available

VISCOSITY: No data available

OXIDIZING PROPERTIES: No data available

10. STABILITY AND REACTIVITY

REACTIVITY: Stable under recommended storage conditions.

HAZARDOUS POLYMERIZATION: None under normal processing.

STABILITY: Stable under normal conditions of use and storage.

CONDITIONS TO AVOID: Direct sunlight, extremely low or high temperatures, and incompatible materials.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal industrial condition use, no hazardous reaction expected to occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may produce oxides of carbon and nitrogen.



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INCOMPATIBLE MATERIALS: Acids, Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Peroxides

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: Not determined for blend.

ORAL LD₅₀: Not determined for blend.

INHALATION LC₅₀: Not determined for blend.

NOTES: No data available

SKIN CORROSION/IRRITATION: Eyes, Skin.

RESPIRATORY OR SKIN SENSITISATION: Sensitization possible through skin contact.

CARCINOGENICITY

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

REPRODUCTIVE TOXICITY: Nonyl phenol: Suspected human reproductive toxicant.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No additional information.

ECOTOXICOLOGICAL INFORMATION: No additional information.

BIOACCUMULATION/ACCUMULATION: No additional information.

DISTRIBUTION: No additional information.

AQUATIC TOXICITY (ACUTE): Product is very toxic to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

CHEMICAL FATE INFORMATION: No additional information.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of this product in accordance with all applicable local, state and federal regulations.

FOR LARGE SPILLS: Do not allow product to reach waterways or storm sewers.

PRODUCT DISPOSAL: All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with applicable law and regulations

EMPTY CONTAINER: Dispose of container in accordance with national and local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Amines, Liquid, Corrosive, n.o.s. (Contains m-Xylenediamine and Trimethylhexamethylenediamine)

PRIMARY HAZARD CLASS/DIVISION: 8

SECONDARY HAZARD CLASS/DIVISION: 9

UN/NA NUMBER: UN2735

PACKING GROUP: II



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15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive



Class 9

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HEALTH HAZARDS: Acute Health Hazard, Chronic Health Hazard

313 REPORTABLE INGREDIENTS: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: This material is not subject to any special reporting.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
4-nonylphenol, Branched	84852-15-3

TSCA REGULATORY: This product is not subject to TSCA 12(b) reporting requirements.

TSCA STATUS: This product and/or all of its components are included on the TSCA Inventory of Chemical Substances.

CALIFORNIA PROPOSITION 65: **WARNING:** This product does not expose you to chemicals which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

CARCINOGEN: None above de minimus levels (0.1%)

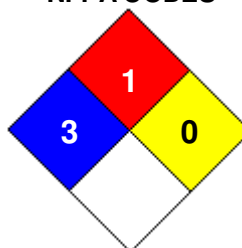
16. OTHER INFORMATION

PREPARED BY: Jay Bartley Date Prepared: 11/20/2018

HMIS RATING

HEALTH	☐	3
FLAMMABILITY	☐	1
PHYSICAL HAZARD	☐	0
PERSONAL PROTECTION	☒	X

NFPA CODES



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