

Material Safety Data Sheet

ConPoxy 200 Mi-Mod MV Epoxy Part B

Version 1

Print Date: 10/20/2014

SECTION 1 – PRODUCT IDENTIFICATION

Trade name : ConPoxy 200 Mi-Mod MV Epoxy Part B (PN# HH-CP200)

Distributor : Hard Hat Construction Supply
13407 Yorba Ave.
Chino, CA 91710

Telephone : (951) 229-7321

Emergency Phone : CHEMTREC (800) 424-9300

Product Use : Hardener

SECTION 2 – PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Polyamido amine blend	N/A	> 35.0
Calcium Carbonate	471-34-1	> 30.0
Nonyl phenol	848552-15-3	< 10.0
Black pigment (iron oxide)	1317-69-9	< 1.0
Clay	N/A	< 2.0
Hydrocarbon resin	91-20-3	< 15.0
Tetraethylene pentamine	112-57-2	> 5.0
Siloxane and silicone	63148-62-9	< 2.0

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview

Black. Liquid. Severely irritating to the respiratory tract. May cause chemical burns to the respiratory system. May cause coughing and wheezing. May cause nausea, headaches, and dizziness. Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Remove to fresh air. Get immediate medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : Severely irritating to the respiratory tract. May cause chemical burns to the respiratory system. May cause coughing and wheezing. May cause nausea, headaches, and dizziness.

Eyes : Vapors or liquid may cause tearing, blurred vision, severe irritation, and possible chemical burns.

Ingestion : May cause gastrointestinal irritation, nausea, and vomiting. May cause chemical burns to the stomach, mouth, nose, and throat

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Skin : May cause itching reddening, inflammation. May cause severe burns, blistering and skin damage. May cause sensitization resulting in irritation, itching and redness. May cause a rash

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

May cause sensitization by contact. Prolonged skin contact may cause irritation, burns, or dermatitis. Repeated overexposure to vapors and/or material may injure the liver, kidneys and respiratory system unless suitable engineering controls and/or personal protective equipment are used. May aggravate persons sensitized to amines. Diethylenetriamine is a skin and eye irritant. Prolonged and repeated exposure can cause skin sensitization, dermatitis, or asthma. Fillers are encapsulated and not expected to be released from product under normal conditions of use.

SECTION 4 – FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation : Move to fresh air. If required, artificial respiration or administration of oxygen can be performed by trained personnel. Remove to fresh air. Get immediate medical attention.

Eye contact : Flush with water for at least 15 minutes while holding eyelids apart. Get medical attention immediately.

Skin contact : Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

Ingestion : Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 – FIRE FIGHTING MEASURES

Flash point : > 200 °F, > 93 °C
Method : Setflash Closed Cup

Lower explosion limit : Not available

Upper explosion limit : Not available

Autoignition temperature : Not available

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Extinguishing media	:	If water fog is ineffective, use carbon dioxide, dry chemical or foam.
Hazardous combustion products	:	Carbon monoxide and carbon dioxide can form. Smoke, fumes. Nitrogen oxides can form.
Protective equipment for firefighters	:	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions	:	Product may ignite if heated in excess of its flash point. Vapors may travel to sources of ignition and flashback. Vapor concentrations in enclosed areas may ignite explosively. Empty containers may contain ignitable vapors.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Remove sources of ignition immediately. Stop flow of material if safe to do so. Contain spill and keep out of water courses. Ventilate area.

SECTION 7 - HANDLING AND STORAGE

Prevent inhalation of vapor, ingestion, and contact with skin, eyes, or clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Do not smoke, weld, generate sparks, or use flame near container. Do not use in confined or poorly ventilated areas. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor, or other equipment. Store under dry warehouse conditions away from heat and all ignition sources.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

Respiratory protection	:	Wear NIOSH/MSHA approved vapor respirator with appropriate cartridge when the vapor concentration is expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
Hand protection	:	Use suitable impervious nitrile or neoprene gloves and protective apparel to reduce exposure.
Eye protection	:	Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

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- Skin and body protection : Prevent contact with shoes and clothing. Use rubber apron and overshoes.
- Protective measures : Inspect and replace equipment at regular intervals. Use professional judgment in the selection, care, and use.
- Engineering measures : Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

No known components with exposure limits.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
- Color : Black
- Odor : Amine
- pH : Not available
- Vapor pressure : Not available
- Vapor density : Heavier than air
- Melting point/range : Not available
- Freezing point : Not available
- Boiling point/range : > 500 °F, > 260 °C
- Water solubility : Negligible
- Specific Gravity : > 1.2

SECTION 10 – REACTIVITY / STABILITY

- Substances to avoid : Oxidizing agents. Epoxies. Isocyanates. Acids.
- Stability : Material is stable under normal storage, handling, and use.
- Hazardous polymerization : Will not occur

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SECTION 12 – ECOLOGICAL INFORMATION

Tetraethylene pentamine, CAS-No.: 112-57-2
Acute oral toxicity (LD -50 oral) 2,100 mg/kg (Rat)
Acute dermal toxicity (LD-50 dermal) 660mg/kg (Rabbit)

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Method : Dispose of hazardous waste according to all local, state, federal and provincial regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:

CORROSIVE LIQUID, N.O.S. (Contains -tetraethylene pentamine), 8, UN1760, PG II

SECTION 15 – REGULATORY INFORMATION

North American Inventories:

All components are listed or exempt from the TSCA inventory.
This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components : N/A
SARA 311/312 Hazards : Acute Health Hazard
OSHA Hazardous Components : N/A
OSHA Status: Considered : Irritant
hazardous based on the
following criteria
OSHA Flammability : Not regulated.

When appropriately mixed with the other part, product has a VOC less water and exempt solvent of:
0 g/L

U.S. State Regulations:

Chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:
Carbon Black

SECTION 16 – OTHER INFORMATION

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HMIS Rating:

Health	2
Flammability	1
Reactivity	0
PPE	

0 = Minimum
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Further Information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Valery Tokar

Legend

ACGIH – American conference of Governmental hygienists
CERCLA – Comprehensive Environmental Response, Compensation, And Liability Act
DOT – Department of Transportation
DSL – Domestic Substance List
EPA – Environmental Protection Agency
HMIS – Hazardous Materials Information System
IARC – International Agency for Research on Cancer
MSHA – Mine Safety Health Administration
NDSL – Non-Domestic Substance List
NIOSH – National Institute for Occupational Safety and Health
NTP – National Toxicology Program
OSHA – Occupational Safety and Health Administration

PEL – Permissible Exposure Limit
RCRA – Resource Conservation and Recovery Act
RTK – Right to Know
SARA – Superfund Amendments and Reauthorization Act
STEL – Short Term Exposure Limit
TLV – Threshold Limit Value
TSCA – Toxic Substances Control Act
TWA – Time Weighted Average
V – Volume
VOC – Volatile Organic Compound
WHIMIS – Workplace Hazardous Materials Information System