

MSDS.409 – CPR-1000™ Emulsion

Revised: 2.9.08

EMERGENCY ASSISTANCE

For Chemical Emergency Spill, Leak, Fire or Exposure call 24 hours a day: CHEMTREC (800) 424-9300. Outside the U.S. call (703) 527-3887 (Collect calls accepted).

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: CPR-1000™ Emulsion
 PRODUCT CLASS: Co-Polymer Emulsion for modifying cement as a restoration product.
 C.A.S. NUMBER: Mixture

HMS Rating: Health 1 Fire 0 Reactivity 0
 0= least, 1= slight, 2= moderate, 3= high, 4= extreme

SECTION II - INGREDIENTS

INGREDIENTS	CAS#	MAX. CONTENT%	EXPOSURE LIMITS
Modified Acrylic Co-Polymer	Proprietary	12.0%	None assigned
Vinyl Acetate Monomer	108-05-4	0.10%	10.0 ppm
Modified Co-Polymer	Proprietary	44.0%	None Assigned
Ammonia	7664-41-7	0.03%	25 ppm
Surface Active Agent	Proprietary	0.3%	None assigned
Water	7732-18-5	44.0%	None assigned

SECTION II PHYSICAL DATA

APPEARANCE: Milky white or optional light gray liquid
 ODOR CHARACTERISTIC: Ester/acetic odor
 SPECIFIC GRAVITY: 1.03
 VAPOR DENSITY: Heavier than air
 BOILING POINT: 212° F
 SOLUBILITY IN WATER: Dilutable
 VOLATILITY %: 44-46 by weight
 EVAPORATION RATE: Less than Butyl Acetate

SECTION III - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: N/A
 FLASH POINT: N/A
 LEL: N/A
 EXTINGUISHING MEDIA: Water, CO2 or dry chemical
 UNUSUAL FIRE AND EXPLOSIVE HAZARDS: None known
 SPECIAL FIREFIGHTING PROCUDURES: Wear self-contained breathing apparatus

SECTION IV - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: The ACGIH TLV and OSHA PEL for vinyl acetate are both set at 10 ppm for an 8 hour TWA and at 20 ppm for the STEL

EFFECTS OF OVEREXPOSURE:

- INHALATION: Headache, nausea, irritation of the nose, throat and lungs, vomiting
- SKIN CONTACT: May cause slight irritation
- EYE CONTACT: May cause irritation
- INGESTION: Cause nausea, dizziness and vomiting.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY OVER EXPOSURE: May cause irritation to respiratory tract.

PRIMARY ROUTE(S) OF ENTRY: Inhalation, eye. Ingestion is not a normal hazard in industrial use.

EMERGENCY FIRST AID PROCEDURES:

- INHALATION OVEREXPOSURE: Move to fresh air. If breathing stops, give artificial respiration and seek immediate medical attention.
- EYE CONTACT: Flush with large quantities of water for 15 minutes and seek medical attention.
- SKIN CONTACT: Wash thoroughly with soap and water immediately.
- INGESTION: Do not induce vomiting. Obtain medical treatment immediately

TOXICOLOGICAL INFORMATION & LONG TERM EFFECTS OF OVEREXPOSURE:

Product contains residual vinyl acetate monomer (108-05-4), an IARC 2B possible human carcinogen. Vinyl acetate vapors have been shown to cause tumors in the respiratory tract of laboratory animals exposed to 600ppm over a lifetime: 200ppm causes irritation. 50ppm produces no observable effects. There is no evidence of adverse effects to human exposed to levels at or below the AGCGIH TLV.

SECTION V - REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion may yield yellow carbon monoxide and/or carbon dioxide and traces of monomer and low levels of organic volatiles.
CONDITIONS TO AVOID: Keep from freezing
INCOMPATIBILITY: (MATERIALS TO AVOID): None known

SECTION VI - SPILL OF LEAK PROCEDURES

STEPS TO TAKE IF MATERIAL IS RELEASED OR SPILLED: Provide good ventilation. Dike spill area and add absorbent material and place in closed container. liquid. Prevent this material from entering water supply.
WASTE DISPOSAL METHOD: At this time, this material or its container is not considered hazardous waste as defined under the federal RCRA regulations (40 CFR 261) if discarded. Collect material into metal container and add enough water to cover. Dispose of according to local law.

SECTION VII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: When spraying, use a NIOSH approves cartridge respirator to keep airborne mists vapor concentrations below the time weighted threshold limit values. When using in poorly ventilated areas, use a fresh air supplying respirator or a self-contained breathing apparatus.
VENTILATION: General mechanical ventilation or local. Exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.
PROTECTIVE GLOVES: Impermeable chemical gloves for skin protection.
EYE PROTECTION: Use chemical safety glasses, goggles/face shield for eye protection.
HYGIENIC PRACTICES: Eye washes and safety showers are recommended in the work place.

SECTION VIII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Do not store in temperatures over 120°F. Product contains low levels of organic volatile which may build up in unvented head space of storage carton. Ventilate sufficiently to keep limits of exposure below TLV's.
OTHER PRECAUTIONS: Product may be damaged if allowed to freeze.

REGULATORY INFORMATION

TRANSPORTATION: Not regulated by US DOT
CHEMICAL CONTROL LAWS: All components of this product are listed or are excluded from listing on the US Toxic Substances Control Act (TSCA) chemical substance inventory.
SARA / TITLE III: This product contains (or is) a toxic chemical for routine annual chemical release reporting under section 33 Vinyl acetate (108-05-04).
STATE RIGHT-TO-KNOW-LAWS: Any material listed as "not hazardous" in the CAS column of the ingredient information section of this MSDS is trade secret under the provisions of the Pennsylvania worker and community right-to-know act.
CALIFORNIA PROP 65: This product contains trace amounts of a component or components known to the state of California to cause cancer: Acrylamide (79-06-1) <0.1%, and Acetaldehyde (75-07-0) <0.1%.