

Product Code: 21575

RG

Name: VINYL CHLORIDE MONOMER

DOT BULK HAZ CLASS: FLAMMABLE GAS, UN1086

Effective date: 04/13/89 Date Printed: 01/22/89

ERTED # 000635

## EMERGENCY RESPONSE INFORMATION

### PRECAUTIONS AND PROTECTIVE EQUIPMENT

EXTREMELY FLAMMABLE. No smoking, flares, or open flames.

CLOTHING: For SPILL/LEAK wear full protective clothing and positive pressure, self-contained breathing apparatus.

For FIRE wear full protective clothing and positive pressure breathing apparatus.

### HEALTH HAZARDS:

CANCER SUSPECT AGENT

EYES: Liquid may cause frostbite-type burns.

SKIN: Liquid may cause frostbite-type burns.

INHALATION: Toxic vapors; may cause dizziness and unconsciousness.

At high levels can cause death.

INGESTION: Ingestion is unlikely due to physical state.

### FIRST AID:

EYES: Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

IN: Wash off in flowing water or shower.

CLOTHING: May be a fire hazard until cleaned.

INHALATION: Remove to fresh air if effects occur. If not breathing, give mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Call a physician.

### LEAK / SPILL:

Shut off ignition and leak if without risk. Keep upwind. Evacuate area and deny entry. Do not breathe vapors. Do not get in eyes, on skin, or clothing. Use water spray to reduce vapors. Do not put water stream on liquid pools. Dike liquid spills. Prevent entry into sewers and/or natural waters.

Toxic to animals.

For fish: does not remain in water.

DISPOSAL: Contact manufacturer and authorities.

### FIRE

EXTREMELY FLAMMABLE. Do not put out any fires at vents until leak is shut off.

SMALL FIRES: Use dry chemical or CO2.

LARGE FIRES: Use water spray, fog, or foam.

MASSIVE FIRES: Use unmanned hose holder or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Dike liquid run-off. Prevent entry into sewers and/or natural waters.

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COMPOSITION AND PRODUCT CHARACTERISTICS

COMPOSITION:

PHYSICAL STATE AND APPEARANCE: Liquidfied gas under pressure.

SOLUBILITY IN WATER: Mixes slightly.

FLASH PT: -108 F (CCO)

LOWER FLAM LIMIT: 3.6%

UPPER FLAM LIMIT: 33.0%

AUTO-IGNITION TEMPERATURE: Not determined.

BOILING PT: 7.16 F

FREEZING PT: -244.6 F

SPECIFIC GRAVITY: 0.9104 @ 20/20 C

WEIGHT/GAL @ 77 DEG F: 7.54

VAPOR DENSITY (AIR = 1): 2.15

VAPOR PRESSURE @ 20 DEG F: Not determined.

VAPOR PRESSURE @ 100 DEG F: Not determined.

COEFF OF THERMAL EXPANSION: Not determined.

LOADING TEMPERATURE: Ambient

MAXIMUM PRODUCT TEMPERATURE: --

MAXIMUM STEAM PRESSURE: --

R&S 100583

Dow Chemical U.S.A. Chemical EMERGENCY PHONE CHEMTREC 800-424-9300

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#### TRANSPORTATION EQUIPMENT DATA

TANK TRUCK: Shipment via tank truck not recommended by Dow.

TANK CAR: DOT 105A300W, 105A200W (NOTE! 105 cars greater than 18,500 gal. capacity must be "J" configuration), 112(J,T) 340W, 114(J,T) 340W

IMO CONTAINER:

INSULATION: Shipment via tank truck not recommended by Dow.  
For Tank car - Determined by T/C specifications.

STEAM COILS: Shipment via tank truck not recommended by Dow.  
For Tank car - not required

PUMP TYPE: Steel, positive displacement and gear pumps with mechanical seals.

HOSE TYPE: Stainless steel, Teflon, Viton A

BASKETS: Asbestos, Carbon, Teflon, Viton A, Lead

SPECIAL REQUIREMENTS: Before cleaning, purge with inert gas. Prevent contact with aluminum and magnesium alloys. If wet, prevent contact with iron and steel.

PRECAUTIONS: EXTREMELY FLAMMABLE. Ground and bond equipment. No smoking, flares, or open flames. Do not breathe vapors. Do not get in eyes, on skin, on clothing. CANCER SUSPECT AGENT.

DRIVER PROTECTIVE EQUIPMENT: Use protective equipment - minimum of chemical worker's goggles, hard hat, rubber gloves and rubber boots. Have slicker suit and respirator available.

UNLOADING INSTRUCTIONS: Positive displacement pump or compressor.

CLEANING AFTER UNLOADING: Drain, fill with water, drain, wash with water and dry.

R&S 100584

The Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied, Is Made. Consult The Dow Chemical Company For Further Information.