

1 BORC
BORDEN, INC.
V02

1061

THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200 REQUIRES THAT
THE INFORMATION CONTAINED ON THESE SHEETS BE MADE AVAILABLE TO YOUR WORKERS.
INSTRUCT YOUR WORKERS TO HANDLE THIS PRODUCT PROPERLY.
FOR INDUSTRIAL USE ONLY

VINYL CHLORIDE MONOMER

DESCRIPTION: VINYL CHLORIDE MONOMER

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PRODUCT TYPE: VINYL CHLORIDE MONOMER

CUR ISS 12/09/93

APPLICATION: USE IN MANUFACTURE OF POLYVINYL CHLORIDE

SIGNAL WORD

DANGER!

This material is a "health hazard" and/or a "physical hazard" as determined when reviewed according to the requirements of the Occupational Safety and Health Administration 29 CFR Part 1910.1200 "Hazard Communication" Standard.

CHEMICAL HAZARD RATING

HEALTH = 3 (high)

FIRE = 4 (extreme)

REACTIVITY = 1 (slight)

CHRONIC = *

29CFR1910.1200 HAZARDOUS INGREDIENTS/REPORTED HEALTH EFFECTS

CAS/REGISTRY NO. MATERIAL DESCRIPTION

The ingredients listed below have been associated with one or more of the listed immediate and/or delayed(*) health hazards. Risk of damage and effects depends upon duration and level of exposure. BEFORE USING OR HANDLING, READ AND UNDERSTAND THE MSDS.

75-01-4 *Vinyl Chloride

CANCER HAZARD. Can cause cancer. This material has been listed by NTP, IARC or OSHA as a human carcinogen.

Can cause liver damage.

Can cause kidney damage.

Can cause central nervous system depression. Signs and symptoms may include headache, dizziness, nausea, vomiting, unconsciousness and even death.

ACGIH TLV: 5 ppm (13 mg/m3) TWA

OSHA PEL: 1 ppm TWA, 5 ppm 15-minute STEL

OTHER: OSHA PEL: CANCER-SUSPECT AGENT, 29CFR1910.1017

NIOSH DOCUMENT NUMBER: 79-102

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29CFR1910.1200 HAZARDOUS INGREDIENTS/REPORTED HEALTH EFFECTS
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PHYSICAL DATA

Solubility in Water --	Slight
Specific Gravity @ 25/25'C	0.908
Melting Point	-256 Deg F
Vapor Pressure	At 68 Deg F 3.39 atm
Appearance	Colorless liquid gas
Boiling Point, 760 mm Hg	7.0 Deg F
Odor	Faintly sweet
Vapor Density (Air=1)	2.15

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IMMEDIATE HEALTH HAZARD DATA

SKIN ABSORPTION: No hazards known to Borden.
INGESTION: May be harmful if swallowed.
INHALATION: Harmful if inhaled.
Can cause burns to nose, throat and lungs.
Can cause central nervous system depression.
SKIN: Causes chemical burns.
EYES: Causes chemical burns.

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HANDLING PRECAUTIONS

INHALATION: Do not breathe gas or mist.
Use with adequate ventilation.
SKIN: Do not get on skin.
EYES: Do not get in eyes.
Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing.
Wash thoroughly after handling.

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EMERGENCY AND FIRST AID PROCEDURES

INGESTION: If accidentally swallowed, dilute by drinking large quantities of water. Immediately contact poison control center or hospital emergency room for any other additional treatment directions.
INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
SKIN CONTACT: Immediately flush skin with plenty of water. Remove contaminated clothing. Call a physician. Wash clothing before reuse.
EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held apart during irrigation to insure water contact with

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EMERGENCY AND FIRST AID PROCEDURES

entire surface of eyes and lids. Call a physician.

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FIRE AND EXPLOSION HAZARD DATA

EXTREMELY FLAMMABLE GAS.

Keep vapor away from heat, sparks, flame and other ignition sources including, but not limited to, pilot lights, heaters, cigarettes, electric motors and static discharge. Vapor is heavier than air and may settle in low places or travel outward to a source of ignition and flashback.

In case of fire, allow gas to burn if flow cannot be shut off immediately. Apply water from a safe distance to cool container and protect surrounding area.

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REACTIVITY DATA

Normally stable, but may become unstable at high temperatures or may react with water.

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CONTROL MEASURES

If airborne contaminants are generated when the material is heated or handled, sufficient ventilation in volume and air flow patterns should be provided to keep air contaminant concentration levels below acceptable criteria.

ENGINEERING CONTROLS: The following exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment and prudent work practices. These techniques may not necessarily address all issues pertaining to your operations. We, therefore, recommend that you consult with experts of your choice to determine whether or not your programs are adequate.

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PERSONAL PROTECTION INFORMATION

Wear full protective suit & boots if contact is likely. Where air contaminants can exceed acceptable criteria, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air in accordance with OSHA 29 CFR 1910.134 or other applicable standards or guidelines.
Use goggles and face shield if contact is likely.
Wear impervious gloves as required to prevent skin contact.

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SPILL OR LEAK PROCEDURES

Keep upwind of spills or leaks.

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WASTE DISPOSAL

Dispose of according to local, state/provincial, and
federal requirements.

Empty container: May contain explosive vapors. DO NOT
cut, puncture or weld on or nearby.

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STORAGE PRECAUTIONS

Violent polymerization may occur at elevated
temperatures.

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TRANSPORT INFORMATION

Flammable Gas.

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PREVIOUS ISSUE:

CURRENT ISSUE:09-DEC-93

CMA 112408