



MATERIAL SAFETY DATA SHEET

Emergency Telephone
(614) 431-6600
(OPERATION ALERT)
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BORDEN CHEMICALS and PLASTICS

BCP Management Inc. General Partner
BOX 427, GEISMAR, LOUISIANA 70734

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

VISTA POLYMERS CO INC
ATTN: SAFETY DEPT
HIGHWAY 25
ABERDEEN, MS 39730

NON-EMERGENCY TELEPHONE
(504) 387-5101

DESCRIPTION: VINYL CHLORIDE MONOMER
PRODUCT TYPE: VINYL CHLORIDE MONOMER
APPLICATION: USE IN MANUFACTURE OF POLYVINYL CHLORIDE

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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 (10 MG/M3) TWA

OSHA PEL: 1 PPM TWA, 5 PPM 15-MINUTE STEL

NIOSH DOCUMENT NUMBER: 79-102

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

READ NEXT PAGE

DISCLAIMER

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY BORDEN CHEMICALS AND PLASTICS OPERATING LIMITED PARTNERSHIP, BCP MANAGEMENT, INC., except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States patent. The information provided herein was believed by Borden Chemicals and Plastics Operating Limited Partnership, BCP Management, Inc. to be accurate at the time of preparation or prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of product and to determine the suitability of the product for its intended use. Buyer's exclusive remedy shall be for damages and no claim of any kind, whether as to product delivered or for non-delivery of product, and whether based on contract, breach of warranty, negligence or otherwise shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.



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29CFR1910.1200 HAZARDOUS INGREDIENTS/REPORTED HEALTH EFFECTS

CAS/REGISTRY NO. MATERIAL DESCRIPTION

PHYSICAL DATA

SOLUBILITY IN WATER -- SLIGHT

SPECIFIC GRAVITY @ 25/25 C	0.908
MELTING POINT	-236 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 burns.

EYES: Causes 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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DISCLAIMER — SEE REVERSE SIDE



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===== **EMERGENCY AND FIRST AID PROCEDURES** =====

entire surface of eyes and lids. Call a physician.

===== **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.

===== **REACTIVITY DATA** =====

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

===== **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.

===== **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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DOT CLASSIFICATION

Flammable Gas.

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SARA TITLE III SECTION 313
AND 40 CFR Part 372
TOXIC CHEMICAL NOTIFICATION SHEET

VINYL CHLORIDE MONOMER

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.

CAS Registry Number	Chemical Name	Pct. By Weight
75-01-4	VINYL CHLORIDE (MONOMER)	99.80

This Toxic Chemical Notification Sheet must not be detached from the Material Safety Data Sheet (MSDS). Any copying and redistribution of the MSDS shall include copying and redistribution of this notification sheet attached to copies of the MSDS subsequently redistributed.

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