



FORMOSA PLASTICS CORPORATION, LOUISIANA
P.O. BOX 271 • BATON ROUGE, LOUISIANA 70821-0271 • TEL. (504) 350-3341 •

TLX. ITT 475-4065 FPC USA
FAX: (504) 356-8611

MATERIAL SAFETY DATA SHEET

SECTION I			
MANUFACTURER'S NAME Formosa Plastics Corporation Louisiana		EMERGENCY TELEPHONE NO. 800-424-9300 Chemtrec (504) 356-3341 FPC-B.R., LA or (504) 356-8688	
ADDRESS (Number, Street, City, State, and ZIP Code) Gulf States Road, P. O. Box 271, Baton Rouge, Louisiana 70821			
CHEMICAL NAME AND SYNONYMS Vinyl Chloride CAS No. (75-01-4)		TRADE NAME AND SYNONYMS Vinyl Chloride (VCM)	
CHEMICAL FAMILY Chlorinated Hydrocarbon		FORMULA <chem>CH2=CHCl</chem>	
SECTION II - HAZARDOUS INGREDIENTS			
This product is highly flammable compressed gas (liquid under pressure) with a purity of > 99.9% Vinyl Chloride. Vinyl chloride is a cancer causing suspect with a TLV 1.0 ppm and an action level of 0.5 ppm. Ref. (29 CFR 1910.1017)		%	PEL
		99.9	1.0 ppm TWA 5 ppm STEL OSHA
SECTION III - PHYSICAL DATA			
BOILING POINT (°F.)	+7°F	SPECIFIC GRAVITY (H ₂ O=1)	0.92
VAPOR PRESSURE (mm Hg. @ 25°C)	2600	PERCENT VOLATILE BY VOLUME (%)	100%
VAPOR DENSITY (AIR=1)	2.2	EVAPORATION RATE	Rapid
SOLUBILITY IN WATER @ 20°C	.28g/100g	Odor Threshold	260 ppm
APPEARANCE AND ODOR		Colorless liquid under pressure with sweet odor.	
SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	78°C open cup	FLAMMABLE LIMITS Vol/Vol	Lower 3.6% Upper 33%
EXTINGUISHING MEDIA		Water and high expansion foam 500:1	
SPECIAL FIRE FIGHTING PROCEDURES Let burn itself out if unable to safely shut off valves. Vinyl chloride is an extremely flammable toxic gas transported as a liquid under pressure. Fire may cause violent rupture of tanks in nearby vicinity if not cooled with water. Try to use water spray to disperse clouds of gas as products of combustion contain hydrogen chloride. If spillage is not ignited take precautions to prevent VCl gas from reaching ignition sources.			
UNUSUAL FIRE AND EXPLOSION HAZARDS When fire is present let it burn. Stay away from end of tanks. If massive fire, evacuate area for one-half mile, but on the scene judgement will be necessary. If large volume of water is available use water spray from monitor nozzles to cool tanks that may have flame impinging from the fire, otherwise stay away. Clear area immediately in case of high rising sound from venting safety device.			

CMA 112431

THRESHOLD LIMIT VALUE
1 ppm with an action level of 0.5 ppm OSHA (29 CFR 1910) STEL 5 ppm
EFFECTS OF OVEREXPOSURE
Chronic long term exposure may cause cancer and precautions should be taken to prevent personnel exposure to vinyl chloride by using prescribed respiratory equipment and protective clothing.
EMERGENCY AND FIRST AID PROCEDURES
Contaminated clothing, gloves or any wearing apparel must be removed. Affected individual should wash thoroughly with water. Employees receiving skin contact or inhalation of vinyl chloride odors should see a doctor. Refer to 29 CFR 1910.1017 OSHA.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID - Avoid leaks, spillages and exposures to personnel and open flame. Never repackage without approval of containers.
	STABLE	x	
INCOMPATIBILITY (Materials to avoid)			
Contact with copper may produce explosive acetylides.			
HAZARDOUS DECOMPOSITION PRODUCTS			
Contaminants may cause polymerization. Decomposition liberates hydrogen chloride.			
HAZARDOUS POLYMERIZATION	MAY OCCUR	x	CONDITIONS TO AVOID Avoid exposure to air, oxygen or sunlight or heat at ambient or higher temperature.
	WILL NOT OCCUR		

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
If no fire, do not ignite the gas. Clear the area, remain upwind and use water spray to disperse vapor. Wear protective clothing and self contained breathing equipment. Keep low behind spray, avoid entering vapor area as it may ignite. Try to shut off leak.
WASTE DISPOSAL METHOD
Contaminated soils must be checked for residual VCM. Do not allow VCM to collect in sewers because of explosion hazard. Flush out with water but not to waterway or drainage. Drum or haul contaminated soil to an approved incinerator, Hazardous Material Reportable Quantity: 1 lb.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Self contained breathing equipment with full face piece equipped with pressure demand regulator approved by NIOSH/MSHA.			
VENTILATION	LOCAL EXHAUST	Only explosion proof equipment is permitted.	SPECIAL Not Applicable
	MECHANICAL (General) Not Applicable		OTHER Not Applicable
PROTECTIVE GLOVES Use chemical resistant gloves such as rubber		EYE PROTECTION Use goggles or face shield and safety glasses.	
OTHER PROTECTIVE EQUIPMENT Rubber raincoat or raingear, rubber boots and hard hat. Do not use plastic protective gear.			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep containers closed when not in use. Do not handle near heat, sparks or flame. Containers containing VCM must be properly grounded.
OTHER PRECAUTIONS
Hazard class flammable: Avoid leaks and spills. Do routine leak surveillance as per EPA Neshaps Regulations Subpart F (40 CFR 61). Report leaks and repair immediately.

Vinyl Chloride

SECTION X. REGULATORY INFORMATION

DOT PROPER SHIPPING NAME/HAZARD CODE:

Vinyl chloride, UN 1086

OSHA'S HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

Vinyl chloride is hazardous.

CERCLA/SUPERFUND, 40 CFR 117, 302:

Spills in excess of 1 pound is reportable.

SARA/SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (TITLE III) - SECTIONS 302, 311, 312, AND 313.

SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

Vinyl chloride is not listed in Appendix A and B as an extremely hazardous substance.

SECTIONS 311 - MATERIAL SAFETY DATA SHEET REQUIREMENTS (40 CFR 370):

Vinyl chloride is hazardous, and its MSDS or list must be reported if threshold quantity is reached.

Under Section 311, submittal of MSDS's or a list of product names to the local emergency planning commission, state emergency response commission and local fire department is required after October 17, 1987 if you have:

- 10,000 pounds or more of a hazardous substance, or
- 500 pounds or the threshold planning quantity, whichever is less, of an extremely hazardous substance.

After October 17, 1989, MSDS(s), or a list of product names for all hazardous substances between zero (0) and 10,000 pounds, not previously reported, must be submitted.

SECTION 312 - INVENTORY REPORTING (40 CFR 370)

CONSULT 40 CFR 370 AND ANY APPLICABLE STATE REGULATIONS FOR THE THRESHOLD QUANTITY:

Vinyl chloride is hazardous, and a Tier I or II Report must be reported each March 1 if inventory threshold quantity is reached.

EPA HAZARD CLASS APPLICABLE FOR SECTION 311 AND 312 -

<u>XX</u>	Fire
<u>XX</u>	Sudden Release of Pressure
<u>XX</u>	Reactivity
<u>XX</u>	Immediate (acute) Health Hazard
<u>XX</u>	Immediate (chronic) Health Hazard

SARA (TITLE III) NOTIFICATION**Section 313 - Toxic Emission Reporting (40 CFR 372)**

Vinyl Chloride must be reported on a Form R on July 01, if the threshold quantity is reached.

For 1989 and after, the threshold quantity is:

25,000 lbs. for manufacturing or importing
25,000 lbs. for processing
10,000 lbs. for otherwise used

Toxic Substances Control Act (TSCA)

The chemical ingredients in this product are on the 8(b) Inventory List (40 CFR 710).

Important: Information and data herein are believed to be accurate and compiled from accurate sources. Buyer assumes all risk of use, storage and handling to comply with State, Federal, and Local regulations. Formosa Plastics Corporation makes no warranty express or implied concerning the accuracy or completeness of the information supplied.



Frank M. Rowland
Environmental Manager

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