

FOR CHEMICAL EMERGENCY - CALL 1-800-424-9300 IN THE U.S.A.
(1-202-483-7816 OUTSIDE THE CONTINENTAL U.S. AND IN WASHINGTON, D.C.)

EMERGENCY RESPONSE INFORMATION SHEET

P.C. 91575

VINYL CHLORIDE MONOMER

PREVIOUS

FLAMMABLE GAS
1086

R&S 100577

FORM: LIQUEFIED GAS UNDER PRESSURE.
SPEC GRAVITY: 0.9104 @ 20/20°C
SOL IN WATER: MIXES SLIGHTLY.
FREEZE POINT: -244.6°F
BOILING PT: 7.16°F

FLASH POINT: -108°F (COC)
FLAM LIMITS: 3.6 - 33.0%
REACTS WITH: ALUMINUM, COPPER AND
THEIR ALLOYS. AVOID EXPOSURE TO
OXYGEN (AIR), MOISTURES, SUNLIGHT
OR HEAT.

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.

ANIMAL: TOXIC. KEEP ANIMALS AWAY.

FISH: DOES NOT REMAIN IN WATER.

IN CASE OF ACCIDENT

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EXTREMELY FLAMMABLE. NO SMOKING, FLARES, OR OPEN FLAMES. 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, ON
CLOTHING. USE WATER SPRAY TO REDUCE VAPOR. DO NOT PUT WATER STREAM
ON LIQUID POOLS. DIKE LIQUID SPILLS. PREVENT ENTRY INTO SEWERS
AND/OR NATURAL WATERS.

CLOTHING: WEAR FULL PROTECTIVE CLOTHING & POSITIVE PRESSURE,
SELF-CONTAINED BREATHING APPARATUS.

DISPOSAL: CONTACT MANUFACTURER & AUTHORITIES.

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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. IF MASSIVE FIRE: USE
UNMANNED HOSE HOLDER OR MONITOR NOZZLES. IF THIS IS IMPOSSIBLE,
WITHDRAW FROM AREA & LET FIRE BURN. DIKE LIQUID RUN-OFF. PREVENT
ENTRY INTO SEWERS &/OR NATURAL WATERS.

CLOTHING: WEAR FULL PROTECTIVE CLOTHING & POSITIVE PRESSURE
BREATHING APPARATUS.

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EYES: IRRIGATE WITH FLOWING WATER IMMEDIATELY & CONTINUOUSLY FOR 15
MIN. CONSULT MEDICAL PERSONNEL.

SKIN: 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.

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TRANSPORATION EQUIPMENT DATA

-EMERGENCY DATA
ON OTHER SIDE -

PRODUCT VINYL CHLORIDE MONOMER		CODE NO. 91575	DATE ISSUED OR REVISED SEP 18 1986
SYNONYM:		TYPE COMMODITY --	
CHARACTERISTICS	DOT SHIPPING NAME VINYL CHLORIDE		DOT HAZARD CLASS FLAMMABLE GAS
	FLASH POINT -108.4°F (COC)	FLAMMABLE LIMITS 3.6 - 33.0%	BOILING POINT 7.16°F
	FREEZING POINT -244.6°F	LOADING TEMP. AMBIENT	VAPOR DENSITY (AIR = 1) 2.15
	WT/GAL @ 77°F (15°C)	MAX. PRODUCT TEMP. --	MAX. STEAM PRESSURE --
	7.54	CONCENTRATION SHIPPED FULL STRENGTH	SOLUBILITY IN WATER MIXES SLIGHTLY
		PHYSICAL STATE LIQUEFIED GAS	

APPROVED EQUIPMENT:

TANK TRUCK

TANK CAR

TANK TYPE:	(SHIPMENT VIA	DOT 105A300W, 105J300W
TANK MATERIALS:	TANK TRUCK	ALL METALS EXCEPT COPPER OR ALUMINUM.
INSULATION:	NOT RECOMMENDED	DETERMINED BY T/C SPECIFICATION
STEAMCOILS:	BY DOW)	NOT REQUIRED
METHOD USED TO CLEAN TANK:	DRAIN, FILL WITH WATER, DRAIN, WASH WITH WATER AND DRY.	
PUMP TYPES:	STEEL, POSITIVE DISPLACEMENT AND GEAR PUMPS WITH MECHANICAL SEALS	
HOSE TYPES:	STAINLESS STEEL, TEFLON, VITON A	
GASKETS:	ASBESTOS, CARBON, TEFLON, VITON A, LEAD	
OTHER:	BEFORE CLEANING, PURGE WITH INERT GAS. PREVENT CONTACT WITH ALUMINUM AND MAGNESIUM ALLOYS. IF WET, PREVENT CONTACT WITH IRON AND STEEL.	

R&S 100578

HANDLING:

HOW UNLOADED:	POSITIVE DISPLACEMENT PUMP OR COMPRESSOR.
PROBLEMS:	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
PRECAUTIONS:	USE PROTECTIVE EQUIPMENT - MINIMUM OF CHEMICAL WORKERS GOGGLES, HARD HAT, RUBBER GLOVES AND RUBBER BOOTS. HAVE SLICKER SUIT AND RESPIRATOR AVAILABLE.
OTHER:	

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