

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 1 ppm 8-hr TWA; 5 ppm 15 minutes. If concentration exceeds 0.5 ppm (Action Level), take immediate steps to reduce concentration and avoid exposure.

EFFECTS OF OVEREXPOSURE Inhalation can cause asphyxiation, persistent irregular heart beat, narcosis, nausea, or dizziness. Long-term exposure may cause permanent liver injury and possibly cancer (see Section II). Contact with the liquid may cause severe skin irritation, frost bite, or freezing.

EMERGENCY AND FIRST AID PROCEDURES

Remove to fresh air. If not breathing, administer artificial respiration; if breathing is difficult, apply oxygen. In case of liquid contact thaw frosted parts with water; flush eyes with clean, low pressure water. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.

SECTION VI REACTIVITY DATA

STABILITY

UNSTABLE

X

CONDITIONS TO AVOID

Heat, contact with oxidizing agents, oxygen, air, sunlight and other polymerization catalysts.

STABLE

INCOMPATIBILITY (Materials to avoid)

Oxidizing agents, air, oxygen, copper, alkali metals and their alloys.

HAZARDOUS DECOMPOSITION PRODUCTS

HCl, CO, phosgene on combustion.

HAZARDOUS POLYMERIZATION

MAY OCCUR

X

CONDITIONS TO AVOID

Heat, air, sunlight, oxidizers and contamination by polymerization catalysts.

WILL NOT OCCUR

Can form shock sensitive peroxides on exposure to air.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED EXTREMELY FLAMMABLE. IF THERE IS A LEAK BUT NO FIRE, DO NOT IGNITE THE GAS. Eliminate ignition sources. Wear pressure demand self-contained respiratory equipment and protective clothing. Evacuate unauthorized and/or unprotected personnel. Dike and contain. Allow to evaporate slowly. Notify fire department. It may be necessary to evacuate downwind areas. Disperse vapor cloud with high sustained flow of water spray or fog. Shut off leak if possible. Vapors are heavier than air and can travel long distances along ground to ignition source. Be ready for probable ignition. KEEP OUT OF SEWERS OR OTHER WATER SYSTEMS. Notify authorities if this happens or is threatened. EPA and Coast Guard Number is 800-424-8802.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Self contained or air supplied air respirator as specified by OSHA.

VENTILATION

LOCAL EXHAUST

Highly recommended (explosion proof)

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

Rubber

EYE PROTECTION

Chemical goggles

OTHER PROTECTIVE EQUIPMENT

As required to prevent bodily contact.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Label: VINYL CHLORIDE-CANCER SUSPECT AGENT. No smoking, prevent leakage.

flames, or sources of ignition in storage or work area.

OTHER PRECAUTIONS

Do not eat, drink or smoke in areas where VCM is used or stored. Use good personal hygiene. HANDLE AS EXTREMELY FLAMMABLE TOXIC GAS. OSHA requires medical surveillance and quarterly monitoring if action level is exceeded.

Shell Oil Company

Product Safety & Compliance

Oil & Chemical Products

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