

METHYLENE CHLORIDE TECH/INDUSTRIAL

MSDS Number

BGVQN

National Stock Number

6810-00-244-0290

Product Name

METHYLENE CHLORIDE TECH/INDUSTRIAL

Manufacturer

ASHLAND CHEMICAL INC

Product Identification

Product ID:METHYLENE CHLORIDE TECH/INDUSTRIAL

MSDS Date:04/26/1989

FSC:6810

NIIN:00-244-0290

MSDS Number: BGVQN

Responsible Party

ASHLAND CHEMICAL, INC.

COLUMBUS , OH 43216-2219

US

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Cage: 34897

Contractor

ASHLAND CHEMICAL CO

2219

COLUMBUS, OH 43216-2219

US

614-790-3333/800-274-5263

Cage: 34897

Ingredients

METHYLENE CHLORIDE (SARA III)

CAS: 75-09-2

RTECS: PA8050000

Fraction By Weight: 100%

OSHA PEL500 PPM/C,1000; Z2

ACGIH TLV: 50 PPM, A2; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) = 167 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE & SKIN

IRRITATION. INHALATION MAY CAUSE RESPIRATORY TRACT IRRITATION AND

NARCOSIS. CENTRAL NERVOUS SYSTEM DEPRESSANT. LOSS OF CONSCIOUSNESS

AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE. CHRONIC: PROLONGED OR REPEATED CONTACT WITH LIQUID ON THE SKIN CAN CAUSE IRRITATION AND DERMATITIS.

Explanation of Carcinogenicity: LISTED AS A SUSPECTED CARCINOGEN BY IARC. (2B) MANUFACTURER STATES LISTING BY IARC.

Effects of Overexposure: HEADACHE, DIZZINESS, DROWSINESS, NAUSEA, TINGLING OR NUMBNESS OF THE EXTREMITIES, SENSES OF FULLNESS IN THE HEAD, SENSE OF WARMTH, STUPOR OR DULLNESS, LETHARGY AND DRUNKENESS. VERY HIGH CONCENTRATIONS MAY LEAD TO UNCONSCIOUSNESS OR EVEN DEATH IN CONFINED OR POORLY VENTILATED AREAS.

Medical Cond Aggravated by Exposure: METHYLENE CHLORIDE IS METABOLIZED BY THE BODY TO CARBON MONOXIDE. THIS CAN BE SUFFICIENT TO PRODUCE A SUBSTANTIAL STRESS ON THE CARDIOVASCULAR SYSTEM BY ELEVATED LEVELS OF CARBONYHEMOGLOBIN.

First Aid

First Aid: INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR WATER TO DRINK ONLY IF CONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

Autoignition Temp: Autoignition Temp Text: 1224F

Lower Limits: 13

Upper Limits: 23

Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, OR DRY CHEMICAL.

Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard: MAY FORM TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, HYDROGEN CHLORIDE, PHOSGENE.

Accidental Release

Spill Release Procedures: SMALL SPILL: WIPE UP WITH RAGS OR TOWELS.

LARGE SPILLS: EVACUATE AREA. WEAR NIOSH APPROVED RESPIRATOR.

VENTILATE AREA. DIKE TO RETAIN FLUID. PUMP UP FREE LIQUID. RESIDUE

WILL EVAPORATE QUICKLY. DO NOT FLUSH TO SEWER OR WATERWAY.

Neutralizing Agent: NONE

Handling

Handling and Storage Precautions: STORE IN A COOL, DRY, WELL-VENTILATED LOCATION, AWAY FROM ANY AREA WHERE THE FIRE HAZARD MAY BE ACUTE.

KEEP CONTAINERS CLOSED WHEN NOT IN USE.

Other Precautions: METHYLENE CHLORIDE VAPORS ARE HEAVIER THAN AIR AND WILL COLLECT IN LOW AREAS. THIS MATERIAL OR ITS VAPORS WHEN IN CONTACT WITH FLAMES, HOT GLOWING SURFACES OR ELECTRIC ARCS CAN DECOMPOSE TO FORM HYDROGEN CHLORIDE GAS AND TRACES OF PHOSGENE.

Exposure Controls

Respiratory Protection: IN HIGH VAPOR AREA, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF VAPOR LEVELS EXCEED 1000 PPM. LONG-TERM OVEREXPOSURE MAY CAUSE LIVER/KIDNEY DAMAGE.

Ventilation: LOCAL EXHAUST RECOMMENDED TO CONTROL VAPORS BELOW 50% OF TLV.

Protective Gloves: NEOPRENE, PVA GLOVES RECOMMENDED.

Eye Protection: CHEMICAL SAFETY GOGGLES & FACE SHIELD.

Other Protective Equipment: APRON AND WORK CLOTHING TO MINIMIZE EXPOSURE. EYE WASH STATION & SAFETY SHOWER RECOMMENDED.

Work Hygienic Practices: WASH THOROUGHLY AFTER USE AND BEFORE EATING, SMOKING OR USING TOILET FACILITIES. DO NOT BREATHE VAPORS OR MIST.

Supplemental Safety and Health

TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES.

Chemical Properties

HCC:T4
Boiling Pt:B.P. Text:103F,39C
Vapor Pres:355
Vapor Density:2.9
Spec Gravity:1.318
Evaporation Rate & Reference:1.8 (ETHER=1)
Appearance and Odor:COLORLESS LIQUID WITH A CHLOROFORM-LIKE ODOR.
Percent Volatiles by Volume:100

Stability

Stability Indicator/Materials to Avoid:YES
ALUMINUM
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products:WHEN INVOLVED IN FIRE, METHYLENE
CHLORIDE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN CHLORIDE AND
PHOSGENE FUMES.

Disposal

Waste Disposal Methods:CONTAMINATED SAWDUST, VERMICULITE OR POROUS
SURFACE MUST BE DISPOSED OF IN A PERMITTED HAZARDOUS WASTE
MANAGEMENT FACILITY. RECOVERED LIQUIDS MAY BE REPROCESSED OR
INCINERATED OR MUST BE TREATED IN A PERMITTED HAZARDOUS WASTE
MANAGEMENT FACILITY.

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