

OCTAGON PROCESS INC. -- METHYLENE CHLORIDE -- 6810-00-397-3720  
===== Product Identification =====

Product ID:METHYLENE CHLORIDE  
MSDS Date:03/02/1989  
FSC:6810  
NIIN:00-397-3720  
MSDS Number: BMXHF  
=== Responsible Party ===  
Company Name:OCTAGON PROCESS INC.  
Address:596 RIVER ROAD  
City:EDGEWATER  
State:NJ  
ZIP:07020-1105  
Country:US  
Info Phone Num:201-945-9400  
Emergency Phone Num:201-945-9400,CHEMTREC 800-424-9300  
CAGE:82925  
=== Contractor Identification ===  
Company Name:OCTAGON PROCESS INC.  
Address:596 RIVER ROAD  
Box:City:EDGEWATER  
State:NJ  
ZIP:07020  
Country:US  
Phone:201-945-9400  
CAGE:82925

===== Composition/Information on Ingredients =====

Ingred Name:METHYLENE CHLORIDE (SARA III)  
CAS:75-09-2  
RTECS #:PA8050000  
Fraction by Wt: 99.9%  
OSHA PEL:500 PPM/C,1000; Z2  
ACGIH TLV:50 PPM, A2; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

===== Hazards Identification

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LD50 LC50 Mixture:ORAL LD50 (RAT) =1500-2500 MG/KG

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

Reports of Carcinogenicity:NTP:NO 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, UNCONSCIOUSNESS AND EVEN DEATH

CAN OCCUR AT HIGH LEVELS OF EXP OSURE. CHRONIC:DERMATITIS, LIVER AND KIDNEY DAMAGE.

Explanatio

n of Carcinogenicity:LISTED AS A POSSIBLE CARCINOGEN 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:CARDIAC, BLOOD AND RESPIRATORY DISEASES.

===== First A

id Measures =====

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 M

asures =====

Flash Point Method:TCC

Flash Point:NONE

Lower Limits:14.0

Upper Limits:22.0

Extinguishing Media:WATER FOG.

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:FORMS VAPOR-AIR MIXTURES. FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

===== A

ccidental Release Measures =====

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 WATERWAYS.  
Neutralizing Agent:NONE

===== Handling and Storage =====

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 HYDRO GEN CHLORIDE GAS AND TRACES OF PHOSGENE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF ABOVE PEL, USE NIOSH APPROVED RESPIRAT  
OR WITH  
ORGANIC VAPOR CARTRIDGE. USE SELF-CONTAINED BREATHING APPARATUS IF  
VAPOR LEVELS EXCEED 1000 PPM.  
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 BREATH VAPORS OR MIST.  
Supplemental Safety and Health  
TARGET ORGANS ARE SKIN, CNS, CVS, AND EYES.

===== Physical/Chemical Properties =====

HCC:T4  
Boiling Pt:B.P. Text:104F,40C  
Melt/Freeze Pt:M.P/F.P Text:-139F,-95C  
Vapor Pres:355 MMHG  
Vapor Density:2.93  
Spec Gravity:1.320  
Evaporation Rate & Reference:27.5(N-BUTYL ACETATE = 1)  
Solubility in Water:SLIGHT, 2%  
Appearance and Odor:CLEAR,COLORLESS LIQUID WITH A PENETRATING  
EHTER

-LIKE ODOR

Percent Volatiles by Volume:100

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ALKALI METALS, FINELY POWDERED ALUMINUM & MAGNESIUM

Stability Condition to Avoid:HIGH TEMPERATURES

Hazardous Decomposition Products:WHEN INVOLVED IN FIRE, EMITS HIGHLY  
TOXIC AND IRRITATING HYDROGEN CHLORIDE, PHOSGENE AND CHLORINE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN A

PERMITTED HAZARDOUS WASTE

MANAGEMENT FACILITY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL  
REGULATIONS.

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