

OCTAGON PROCESS INC. -- MIL-D-6998D GRADES A & B, DICHLOROMETHANE -- 6810-00-244-0290  
===== Product Identification =====

Product ID:MIL-D-6998D GRADES A & B, DICHLOROMETHANE

MSDS Date:03/02/1989

FSC:6810

NIIN:00-244-0290

MSDS Number: BDMYY

=== Responsible Party ===

Company Name:OCTAGON PROCESS INC.

Address:596 RIVER ROAD

City:EDGEWATER

State:NJ

ZIP:07020-1105

Country:US

Info Phone Num:201-945-940

0

Emergency Phone Num:201-945-9400

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%

Other REC Limits:NONE SPECIFIED

OSHA PEL:500 PPM/C,1000; Z2

ACGIH TLV:50 PPM, A2; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty

:1000 LBS

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===== Hazards Identification =====  
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LD50 LC50 Mixture:ORAL LD50 (RAT) = 167 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. LOSS OF CONSCIOUSNESS AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE. C

CHRONIC:

PROLONGED OR REPEATED CONTACT WITH LIQUID ON THE SKIN CAN CAUSE IRRITATION AND DERMATITIS.

Explanation of Carcinogenicity:LISTED AS A POTENTIAL CARCINOGEN BY IARC. NOT BELIEVED TO POSE A MEASURABLE RISK TO MAN WHEN HANDLED AS RECOMMENDED.

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 DRUNKENNESS. INHALATION OF HIGH CONC

ENTRATIONS MAY LEAD TO

UNCONSCIOUSNESS,REDUCED ABILITY OF THE BLOOD TO TRANSPORT OXYGEN, CARDIAC ARRHYTHMIAS AND DEATH.

Medical Cond Aggravated by Exposure:METHYLENE CHLORIDE IS METABOLIZED TO CARBON MONOXIDE. THIS MAY BE SUFFICIENT TO PRODUCE A SUBSTANTIAL STRESS ON THE CARDIOVASCULAR SYSTEM. PERSONS WITH LIVER OR KIDNEY DISORDERS ARE AT INCREASED RISK.

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===== First Aid Measures =====  
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First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING

EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GIVE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

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===== Fire Fighting Measures =====  
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Flash Point Method:TCC

Flash Point:NONE

Lower Limi

ts:14.0

Upper Limits:22.0

Extinguishing Media:WATER FOG

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY. CONTAIN RUNOFF.

Unusual Fire/Explosion Hazard:FORMS FLAMMABLE VAPOR-AIR MIXTURES. LOWER TEMPERATURES INCREASE THE DIFFICULTY OF GETTING IT TO IGNITE.

===== Accidental Release Measures =====

Spill Release Procedures:SMALL SPILL: MOP UP OR WIPE UP WITH RAGS OR

TOWELS. TAKE OUTDOORS. LARGE SPILLS: EVACUATE AREA. WEAR SCBA. VENTILATE AREA. DIKE TO CONTAIN LIQUID. TRANSFER LIQUID TO CLOSED METAL CONTAINER. RESIDUE WILL EVAPORATE QUICKLY. KEEP OUT OF WATERSUPPLY.

Neutralizing Agent:NONE-RECLAIM IF POSSIBLE.

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

Handling and Storage Precautions:VAPORS ARE HEAVIER THAN AIR & WILL COLLECT IN LOW AREAS OF DEGREASERS, STORAGE TANKS, ETC. DO NOT ENTER

THESE AREAS WITHOUT SCBA & OBSERVER TO ASSIST.

Other Precautions: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/Personal Protection =====

Respiratory Protection:FOR A SINGLE SHORT-TERM EXPOSURE, USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. USE A POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS IF

IN CONFINED OR POORLY VENTILATED AREAS.

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, BOOTS 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.

Sup

plemental 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

Vapor Density:2.93

Spec Gravity:1.320

Evaporation Rate & Reference:14.5 (N-BUTYL ACETATE=1)

Solubility in Water:MODERATE

Appearance and Odor:CLEAR, COLORLESS LIQUID. CHLOROFORM-LIKE ODOR.

NOTE: A GAS ABOVE 104F.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

WATER, AMINES, AND ALUMINUM. POSSIBLY SODIUM, POTASSIUM AND MAGNESIUM.

Stability Condition to Avoid:HYDROLYSIS PRODUCES SMALL AMOUNTS OF  
HYDROCHLORIC ACID. AVOID OPEN FLAMES, WELDING ARCS, OR OTHER HIGH  
TEMPERATURES.

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

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Disposal Considerations =====

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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