

OCTAGON PROCESS INC. -- MIL-T-81533A 1,1,1-TRICHLOROETHANE -- 6810-00-476-5612

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Product Identification
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Product ID:MIL-T-81533A 1,1,1-TRICHLOROETHANE

MSDS Date:04/25/1989

FSC:6810

NIIN:00-476-5612

MSDS Number: BDZTF

=== 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 Ph

one 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

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Composition/Information on Ingredients
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Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: >93.0%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:350 PPM

ACGIH TLV:350 PPM/450STEL;9394

EPA Rpt Qty:1000 LBS

DOT R

pt Qty:1000 LBS
Ozone Depleting Chemical:1

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS 10300MG/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF EYES,SKIN &
RESPIRATORY TRACT; CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION.
CHRONIC:CARDIAC ARRHYTHMIA,CNS DEPRESSION,DERMATITIS,KIDNEY AND
LIVER DAMAGE.

Explanation o

f Carcinogenicity:NONE

Effects of Overexposure:INHALATION: COUGHING, WHEEZING, SHORTNESS OF
BREATH, DIZZINESS, HEADACHE, NAUSEA, VOMITING. EYES: REDNESS,
TEARING. SKIN: REDNESS, RASH. INGESTION: NAUSEA, VOMITING,
DIZZINESS,DIARRHEA.

Medical Cond Aggravated by Exposure:RESPIRATORY
AILMENTS,DERMATITIS;CIRRHOSIS OF THE LIVER.

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First Aid Measures
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First Aid:INHALED: REMOVE TO FRESH AIR, GIVE CPR/OXYGEN IF NEEDED;
EYES/SKIN: FLUSH
WITH LARGE AMOUNTS WATER FOR 15 MIN; INGESTION:
RINSE MOUTH; GET MEDICAL ATTENTION FOR EYES, BREATHING DIFFICULTY,
OR OTHER SY MPTOMS OF OVEREXPOSURE.

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Fire Fighting Measures
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Flash Point:NONE

Lower Limits:7.0

Upper Limits:15.0

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, WATER.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:MAY EMIT HIGHLY TOXIC AND IRRITATING

FUMES OF HCL AND POSSIBLE TRACES OF PHOSGENE GAS.

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Accidental Release Measures
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Spill Release Procedures:ISOLATE AREA. CONTAIN SPILL. VENTILATE AREA.
ABSORB WITH INERT MATERIAL. PLACE REFUSE IN CONTAINER FOR DISPOSAL.

Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:STORE IN COOL DRY AND WELL VENTILATED
AREA; KEEP AWAY FROM HEAT,OPEN FLAMES AND SPARKS.KEEP CONTAINER

CLOSED WHEN NOT IN USE.

Other Precautions:AVOID CONTACT WITH SKIN AND EYES AND CLOTHES.DO NOT INHALE VAPORS;WASH THOROUGHLY AFTER EACH USE.DO NOT SMOKE IN WORK AREA.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTIDGE IF TLV/PEL EXCEEDED.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:NITRILE; PVA

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER. CLOTHING TO PREVENT PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

MSDS RECEIVED BY DGSC-SLM:APRIL 29,1988.

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

HCC:T4

Boiling Pt:B.P. Text:162F,72C

Vapor Pres:135 MM HG

Vapor Density:4.54

Spec Gravity:

1.3

pH:6-7.5

Evaporation Rate & Reference:0.35 (ETHYL ETHER=1)

Solubility in Water:NEGLIGIBLE

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

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

CAUSTIC SODA,CAUSTIC POTASH,OXIDIZING AGENTS.

Stability Condition to Avoid:OPEN FLAMES,HOT GLOWING SURFACES,ELECTRIC ARCS, SOURCES OF IGNITION.

Hazardous Decomposition Products:HYDROGEN

N CHLORIDE AND TRACES OF
PHOSGENE.

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

Waste Disposal Methods:DISPOSE COLLECTED MATERIAL IN ACCORDANCE WITH
LOCAL,STATE AND FEDERAL REGULATIONS.

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