

OCCIDENTAL CHEMICAL CORPORATION -- OXSOL 100 -- 6850-01-399-0676

===== Product Identification =====

Product ID:OXSOL 100

MSDS Date:02/29/1996

FSC:6850

NIIN:01-399-0676

Status Code:A

MSDS Number: CHWBP

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:CUSTOMER SERVICE, OCCIDENTAL TOWER

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Info Phone Num:214-404-3523/716-

286-3081

Emergency Phone Num:800-733-3665/716-278-7021

Resp. Party Other MSDS Num.:M29358

CAGE:0AH54

=== Contractor Identification ===

Company Name:HUNTER D H ENTERPRISES INC

Address:2801 NW 55TH CT

Box:City:FORT LAUDERDALE

State:FL

ZIP:33309

Country:US

Phone:954-484-1401

Contract Num:SP0450-99-M-C296

CAGE:0BKD5

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:5005 LYNDON B JOHNSON FWY

Box:City:DALLAS

State:TX

ZIP:75244-6198

Country:US

Phone:800-752-5151/972-404-3800

CAGE:0AH54

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= Composition/Information on Ingredients =====

Ingred Name:P-CHLOROBENZOTRIFLUORIDE (PCBTF) (BENZENE, 1-CHLORO-4-TRIFLUOROMETHYL)

CAS:98-56-6

RTECS #:XS9145000

Minumum % Wt:98.5

Maxumum % Wt:100.

Other REC Limits:NONE RECOMMENDED

Ingred Name:2-CHLOROBENZOTRIFLUORIDE; BENZENE, 1-CHLORO-2-(TRIFLUOROMETHYL)-

CAS:88-16-4

Minumum % Wt:0.

Maxumum % Wt:.9

===== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT): > 6.8 G/KG

Routes of

Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHALATION-MAY PRODUCE SYMPTOMS OF CENTRAL NERVOUS SYSTEM DEPRESSION. EYE- MAY BE IRRITATING. SKIN-MAY BE IRRITATING. INGESTION-PROLONGED/REPEATED BREATHING OR SWALLOWING LARGE AMOUNTS MAY CAUSE LIVER & KIDNEY DAMAGE. TARGET ORGANS:CNS, KIDNEY, LIVER.

Explanation of Carcinogenicity:NOT KNOWN TO BE CARCINOGENIC.

Effects of Overexposure:INHALATION-HEADACHE, DIZZINESS, NAUSEA, LOSS OF BALANCE, DROWSINESS

Medical Cond Aggravated by Exposure:NONE KNOWN.

===== First Aid Measures =====

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER A DIRECT STREAM OF WATER FOR 15 MIN, FORCIBLY HOLDING EYELIDS APART. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. SKIN: WASH THOROUGHLY WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR

R. IF BREATHING IS

DIFFICULT, HAVE TRAINED PERSON ADMINISTER OXYGEN. IF RESPIRATION STOPS, GIVE MOUTH-TO -MOUTH RESUSCITATION. GET MEDICAL ATTENTION IMMEDIATELY. INGESTION: DO NOT INDUCE VOMITING. THIS MATERIAL IS NOT SOLUBLE. DO NOT GIVE FLUIDS. IF SPONTANEOUS VOMITING IS INEVITABLE, PREVENT ASPIRATION BY KEEPING HEAD BELOW KNEES. GETAID.

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===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:=42.8C, 109.F

Autoignition

Temp:>500.C, 932.F

Lower Limits:0.9

Upper Limits:10.5

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures:SHUT DOWN MOTORS AND PUMPS TO PREVENT SPREADING OF FIRE. USE WATER TO COOL CONTAINERS BUT AVOID GETTING WATER INTO CONTAINERS. WEAR NIOSH/MSHA APPROVED POSITIVE-PRESSURE SELF -CONTAINED BREATHING APPA RATUS AND FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:OVER HEATED DRUMS MAY RUPTURE. HEAVY VAPORS MAY TRAVEL TO SOURCE OF I GNITION AND FLASHBACK. HIGH VAPOR CONCENTRATIONS HAVE AN ANESTHETIC EFFECTS.

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

Spill Release Procedures:CONTAIN LIQUID & PREVENT DISCHARGES TO STREAMS OR SEWERS, CONTROL OR STOP THE LOSS OF VOLATILE MATERIALS TO THE ATMOSPHERE. LEAKS SHOULD BE STOPPED, SPILLS SHOULD BE CONTAINED AND CLEANED UP IMMEDIATE LY. RECOVERY AND REUSE OF SPILLED PRODUCT, RATHER THAN DISPOSAL, SHOULD BE THE ULTIMATE GOAL OF A CLEAN-UP OPERATION.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED & PROPERLY LABELED. STORE IN A COOL, VENTILATED AREA AWAY FROM INCOMPATIBLE MATERIALS. DO NOT REUSE CONTAINERS.

Other Precautions:AVOID BREATHING VAPOR, USE WITH ADEQUATE VENTILATION. DO NOT GET IN EYES, ON SKIN OR CLOTHING. KEEP AWAY FROM HEAT, SPARKS, PILOT LIGHTS, WELDING OPERATION

S & OPEN FLAME. DO NOT EAT,
DRINK OR SMOKE IN AREAS WHERE THIS MATERIAL IS USED.

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

Respiratory Protection:FOR EMERGENCIES & UNKNOWN CONCENTRATIONS, USE NIOSH/MSHA APPROVED POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS. UTILIZE RESPIRATORY PROTECTIVE EQUIPMENT IN ACCORDANCE WITH 29CFR 1910.134.

Ventilation:GENERAL ROOM VENTILATION PLUS LOCAL EXHAUST AT POINTS OF EMISSION TO MAINTAIN LEVELS OF AIRBORNE CONTAMINANTS < PELS.

Protective Gloves:NORTH SILVER SHIELD (R), VITON(R)

Eye Protection:CHEMICAL SAFETY GOGGLES + FULL FACE SHIELD

Other Protective Equipment:PLASTIC OR RUBBER APRON AS NECESSARY TO PREVENT SKIN CONTACT. AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

VAPORS ARE HEAVIER THAN AIR AND WILL TEND TO COLLECT IN LOW AREAS.

AVOID USE IN CONFINED SPACES. AREAS OF POOR VENTILATION COULD CONTAIN CONCENTRATIONS HIGH ENOUGH TO CAUSE UNCONSCIOUSNESS AND DEATH.

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

HCC:F4

Boiling Pt:=138.9C, 282.F

Melt/Freeze Pt:=-36.1C, -33.F

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:5.3 MMHG

Vapor Density:6.2

Spec Gravity:1.34

Evaporation Rate & Reference:0.9 (N-BUTYL ACETATE=1)

Solubility in Water:APPRECIABLE

Appearance and Odor:CLEAR, COLO

RLESS LIQUID, NAPHTHALENIC ODOR

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH OXIDIZING AGENTS.

Hazardous Decomposition Products:CHLORINE, FLUORINE

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===== Toxicological Information =====

Toxicological Information:ACUTE ORAL LD50: (RAT)>6.8 G/KG. ACUTE DERMAL LD50: (RABBIT)>2.7 G/KG. ACUTE INHALATION LC50 (RAT)=4479 PPM. PRIMARY SKIN IRRITAT

ION: (RABBIT), NON-IRRITATING. PRIMARY EYE
IRRITATION: (RABBIT), NON-IRRITATING.

===== Ecological Information =====

Ecological:AQUATIC ECOTOX DATA: FISH: LC50 (96 HR) (RAINBOW TROUT) 13.5
MG/L. LC50 (96 HOUR) (BLUEGILL SUNFISH) 12.0 MG/L. MATC (31 DAY)
(FATHEAD MINNOW) >0.540.03