

OCCIDENTAL CHEMICAL CORPORATION -- OXSOL (R) 100 -- 6850-01-399-0676

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

Product ID:OXSOL (R) 100

MSDS Date:02/29/1996

FSC:6850

NIIN:01-399-0676

Status Code:A

MSDS Number: CJLVZ

=== Responsible Party ===

Company Name:OCCIDENTAL CHEMICAL CORPORATION

Address:OCCIDENTAL TOWER, 5005 LBJ FREEWAY

Box:809050

City:DALLAS

State:TX

ZIP:75380

Country:US

Info Phone Num:800-752-5

151, MSDS 800-699-4970

Emergency Phone Num:800-733-3665/214-404-3228

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-NC27

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

CAS:98-56-6

RTECS #:XS9145000

Minumum % Wt:98.5

Maxumum % Wt:100.

Other REC Limits:NONE RECOMMENDED

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

CAS:88-16-4

Minumum % Wt:0.

Maxumum % Wt:.9

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Hazards Identification  
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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. EYES: MAY BE IRRITATING. SKIN:  
MAY BE IRRITATING. INGESTION: PROLONGED/REPEATED BREATHING OR  
SWALLOWING LARGE AMOUNTS MAY CAUSE LIVER AND KIDNEY DAMAGE. TARGET  
ORGANS: CNS, KIDNEY, LIVER.

Explanation of Carcinogenicity:NOT KNOWN TO BE CARCINOGENIC.

Effects o

f Overexposure:INHALATION: HEADACHE, DIZZINESS, NAUSEA, LOSS  
OF BALANCE, DROWSINESS. EYES: IRRITATION. SKIN: IRRITATION.  
INGESTION:LIVER AND KIDNEY DAMAGE.

Medical Cond Aggravated by Exposure:NONE KNOWN.

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First Aid Measures  
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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.  
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REMOVE CONTAMINATED CLOTHING . IF IRRITATION OCCURS, GET MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, HAVE TRAINED PERSON ADMINISTER OXYGEN. IF NOT BREATHING, GIVE CPR. GET MEDICAL ATTENTION. 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. GET MEDICAL ATTENTION.

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===== Fire Fighting Measures =====  
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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 OR FOG , 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 APPARATUS AND FULL PROTECTIVE CLOTHING.

Unusual Fire/E

xplosion Hazard:OVER HEATED DRUMS WILL EXPLODE. HEAVY VAPORS MAY TRAVEL TO SOURCE OF IGNITION AND FLASHBACK. HIGH VAPOR CONCENTRATIONS HAVE AN ANESTHETIC EFFECT.

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===== Accidental Release Measures =====  
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Spill Release Procedures:CONTAIN LIQUID AND PREVENT DISCHARGES TO STREAMS OR SEWERS. CONTROL OR STOP LOSS OF VOLATILE MATERIALS TO THE ATMOSPHERE. LEAKS SHOULD BE STOPPED, SPILLS SHOULD BE CONTAINED AND CLEANED UP IMMEDIATELY. RECOVERY AND REUSE OF

IF 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 =====  
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Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED AND 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 EY

ES, ON SKIN OR CLOTHING. KEEP AWAY FROM HEAT, SPARKS, PILOT LIGHTS, WELDING OPERATIONS AND OPEN FLAME. DO NOT EAT, DRINK OR SMOKE IN AREAS WHERE THIS MATERIAL IS USED.

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

Respiratory Protection:FOR EMERGENCIES AND 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 BELOW EXPOSURE LIMITS.

Protective Gloves:WEAR CHEMICAL RESISTANT AS NORTH SILVER SHIELD (R), VITON(R), PVC OR NITRILE.

Eye Protection:CHEMICAL SAFETY GOGGLES PLUS 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:EMERGENCY SHOWER AND EYEWASH FACILITY SHOULD BE

IN CLOSE PROXIMITY.WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

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.

===== 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

Spec Gravity:1.34

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

Solubility in Water:29PPM@23C

Appearance and Odor:CLEAR, COLORLESS LIQUID, NAPHTHALENIC ODOR

Percent Volatiles by Volume:100 %

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

Stability Indicator/Materials to Avoid:YES

OXIDIZERS, OXIDIZING AGENTS.

Hazardous Decomposition Products:CHLORINE CONTAINING GASES CAN BE PRODUCED AND FLUORIN

E CONTAINING GASES CAN BE PRODUCED.

===== 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 IRRITATION: (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