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## DOW CHEMICAL U S A -- CHLOROTHENE SM SOLVENT -- 6810-01-208-9266

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

Product ID:CHLOROTHENE SM SOLVENT

MSDS Date:05/11/1994

FSC:6810

NIIN:01-208-9266

Status Code:A

MSDS Number: CKRFQ === Responsible Party ===

Company Name: DOW CHEMICAL USA

Address:2030 DOW CENTER BARSTOW BLDG

City:MIDLAND

State:MI ZIP:48640 Country:US

Info Phone Num:517-636-4400

**Emergency Phone Num** 

:517-636-4400

Resp. Party Other MSDS Num.:001111

CAGE:71983

=== Contractor Identification ===

Company Name: AMJAY CORP. DBA AMJAY CHEMICALS

Address:11200 WESTHEIMER SUITE 310

Box:218786 City:HOUSTON

State:TX

ZIP:77218-8786

Country:US

Phone:713-492-2000

CAGE:64184

Company Name: BARTON SOLVENTS INC

Address:2135 9TH AVE Box:City:COUNCIL BLUFFS

State:IA

ZIP:51501-6013

Country:US

Phone:712-322-2509

CAGE:6J772

Company Name: DOW CHEMICAL U.S.A.

City:MIDLAND

State:MI ZIP:48674 Country:US

Phone:517-636-4400

CAGE:71983 Company Name: METALCRAFT INC Address:149 4TH ST SW **Box:UNKNOW** City:MASON CITY State:IA ZIP:50402-1468 Country:US Phone:800-437-5283 CAGE:22528 ======= Composition/Information on Ingredients ======== Ingred Name:1,1,1-TRICHLOROETHANE CAS:71-55-6 RTECS #:KJ2975000 = Wt:96.5OSHA PEL:1900 MG/M3;350 PPM ACGIH TLV:1910 MG/M3;350 PPM ACGIH STEL:2460 MG/M3;450 PPM EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS Ozone Depleting Chemical:1 Ingred Name: DIETHYLENE ETHER (1,4-DIOXANE) C AS:123-91-1 RTECS #:JG8225000 = Wt:2.5OSHA PEL:360 MG/M3;100 PPM ACGIH TLV:90 MG/M3;25 PPM EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS Ingred Name:1,2-BUTYLENE OXIDE CAS:106-88-7 RTECS #:EK3675000 = Wt:.47 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:NITROMETHANE

CAS:75-52-5

RTECS #:PA9800000

= Wt:.34

OSHA PEL:250 MG/M3;100 PPM ACGIH TLV:50 MG/M3;20 PPM

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

LD50 LC50 Mixture:RATS IS 10,000MG/KG Health Hazards Acute and Chronic:EY

E: MAY CAUSE PAIN. MAY CAUSE SLIGHT
TRANSIENT (TEMPORARY) IRRITATION WITH SLIGHT TRANSIENT CORNEAL
INJURY. VAPORS MAY IRRITATE EYES. SKIN: PROLONGED OR REPEATED
EXPOSURE MAY CAUSE SKIN IRRITATION. R EPEATED CONTACT MAY CAUSE
DRYING OR FLAKING OF SKIN. ABSORPTION: A SINGLE PROLONGED SKIN
EXPOSURE IS NOT LIKELY TO RESULT IN ABSORPTION OF HARMFUL AMOUNTS.
INGESTION: SINGLE DOSE ORAL TOXICITY IS LOW. IF ASPIRATED MAY BE
RAPIDLY ABSORBED THROUGH THE LUNGS AND RESULT IN IN

JURY TO OTHER

BODY SYSTEMS INHALATION: MINIMAL ANESTHETIC OF

BODY SYSTEMS. INHALATION: MINIMAL ANESTHETIC OR NARCOTIC EFFECTS MAY BE SEEN IN THE RANGE OF 500-1000 PPM TRICHLOR OETHANE.

Explanation of Carcinogenicity: NO DATA PROVIDED BY RESPONSIBLE PARTY.

Effects of Overexposure:PAIN, IRRITATION, DRYING OR FLAKING OF SKIN, DIZZINESS, DRUNKENNESS, UNCONSCIOUSNESS, DEATH. CARDIAC ARRHYTHMIA (IRREGULAR HEARTBEATS).

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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easures	===========	===	==:	==	

First Aid:EYE: IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 5 MINUTES. SKIN: WASH OFF IN FLOWING WATER OR SHOWER. INGESTION: DO NOT INDUCE VOMITING. CALL A PHYSICIAN AND/OR TRANSPORT TO EMERGENCY FACILITY IMMED IATELY. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

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

Flash Point Method:TOC Flash Point:NONE Lower Limits:7.5 Upper Limits:12.5

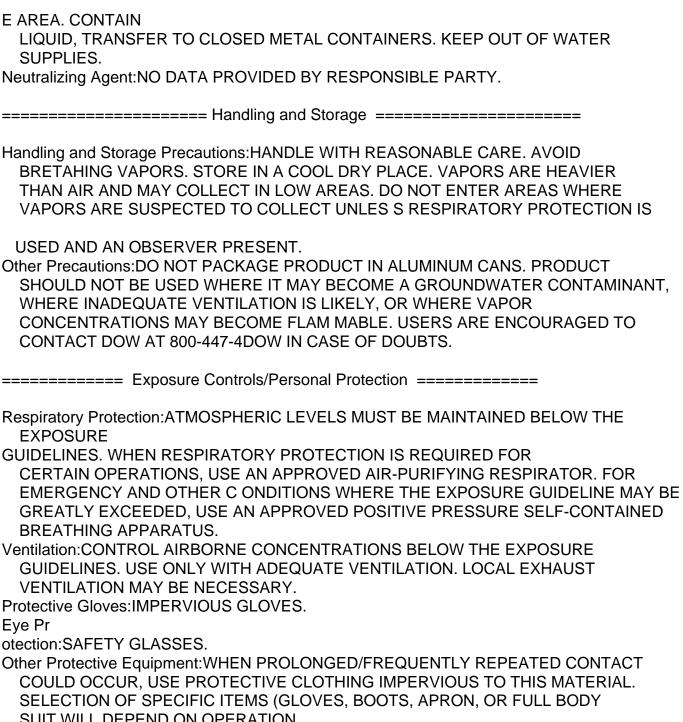
Extinguishing Media:WATER FOG.

Fire Fighting Procedures: WEAR POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard: VAPORS OF THIS SOLVENT MAY DEVELOP A FLAMMABLE ATMOSPHERE IN CONFINED OR POORLY VENTILATED AREAS.

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

Spill Release Procedures: SMALL: MOP UP, WIPE UP, OR SOAK UP IMMEDIATELY. REMOVE TO OUT-OF-DOORS. LARGE: EVACUAT



SUIT WILL DEPEND ON OPERATION

Work Hygienic Practices: NO DATA PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

HCC:T4

Boiling Pt:=74.C, 165.

2F

Vapor Pres:100MMHG Vapor Density:4.55 Spec Gravity:1.321 Solubility in Water:0.07

Appearance and Odor:COLORLESS LIQUID; IRRITATING ODOR AT HIGH

CONCENTRATIONS.

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

PROLONGED CONTACT WITH FREE WATER MAY RESULT IN CORROSION AND DIMINISHED STABILIZER LEVELS. PROLONGED CONTACT WITH, OR STORAGE IN ALUMINUM, ITS ALLOYS, AND PARTICULARLY METALLIC ALUMINUM AND ZINC POWDERS SHOULD BE AVOIDED.

Stability Condition to Avoid

:AVOID OPEN FLAMES, WELDING ARCS OR OTHER
HIGH TEMPERATURE SOURCES WHICH INDUCE THERMAL DECOMPOSITION.
Hazardous Decomposition Products:HYDROGEN CHLORIDE AND VERY SMALL

AMOUNTS OF PHOSGENE AND CHLORINE.

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

Toxicological Information:FOR DETAILED TOXICOLOGICAL DATA, WRITE OR CALL THE ADDRESS OR NON-EMERGENCY NUMBER SHOWN IN SECTION 1.

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

Ecological:FOR D

ETAILED ECOLOGICAL DATA, WRITE OR CALL THE ADDRESS OR NON-EMERGENCY NUMBER SHOWN IN SECTION 1.

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

Waste Disposal Methods:WHEN DISPOSING OF UNUSED CONTENTS, THE PREFERRED OPTIONS ARE TO SEND TO LICENSED RECLAIMER, OR TO PERMITTED INI\CINERATORS. ANY DISPOSAL PRACTICE MUST BE IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL L AWS AND REGULATIONS. DO NOT DUMP INTO SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.

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Transport Information: NO DATA PROVIDED BY RESPONSIBLE PARTY.
======== Regulatory Information ===========
SARA Title III Information:1,1,1-TRICHLOROETHANE, CAS# 71-55-6, 96.5% AND 1,4 DIOXANE, CAS# 123-9-1, 2.5 % ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION AC T OF 1986 AND 40 CFR 372. SECTIONS 311/312 CATAGORIES: I
MMEDIATE HEALTH HAZARD.
Federal Regulatory Information: THIS PRODUCT IS A HAZARDOUS CHEMICAL AS DEFINED BY 29 CFR 1910.1200.
State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.
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======== MSDS Transport Information ==========