

DOW CHEMICAL U S A -- CHLOROETHENE (R) SM SOLVENT, P/C 16896 -- 6810-00-664-0388

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

Product ID:CHLOROETHENE (R) SM SOLVENT, P/C 16896

MSDS Date:04/17/1991

FSC:6810

NIIN:00-664-0388

MSDS Number: BVGLS

=== Responsible Party ===

Company Name:DOW CHEMICAL U S A

City:MIDLAND

State:MI

ZIP:48674

Country:US

Info Phone Num:517-636-4400 / 800-447-4DOW

Emergency Phone Num:517-636-4400

CAGE:71983

=== Contractor Identification ===

Company Na

me:DOW CHEMICAL U.S.A.

City:MIDLAND

State:MI

ZIP:48674

Country:US

Phone:517-636-4400

CAGE:71983

===== Composition/Information on Ingredients =====

Ingred Name:1,1,1-TRICHLOROETHANE (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 96.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:350 PPM

ACGIH TLV:350 PPM;STEL 450 PPM

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone Depleting Chemical:1

Ingred Name:DIETHYLENE ETHER (1,4-DIOXANE) (SARA III)

CAS:123-91-1

RTECS #:JG82250

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Fraction by Wt: 2.5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:25 PPM (SKIN)
ACGIH TLV:25 PPM (SKIN)
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:1,2-BUTYLENE OXIDE
CAS:106-88-7
RTECS #:EK3675000
Fraction by Wt: 0.47%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:STEL 2 PPM
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:NITROMETHANE
CAS:75-52-5
RTECS #:PA9800000
Fraction by Wt: 0.34%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
ACGIH TLV:100 PPM

===== Hazards Ide
ntification =====

LD50 LC50 Mixture:LD50 ORAL, RAT: >10,000 MG/KG;
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:EYE: PAIN. SLIGHT TRANSIENT IRRITATION
WITH SLIGHT TRANSIENT CORNEAL INJURY. IRRITATION. SKIN: PROLONGED
OR REPEATED MAY CAUSE IRRITATION, DRYING, FLAKING. INGESTION:
ASPIRATED PRODUCT MAY RESULT IN I NJURY TO OTHER BODY SYSTEMS.
INHALATION: HIGH CONCENTRATIONS (10000): UNCONSCIOUSNESS, DEATH.
CARDIAC AR
THYTHMIAS.
Explanation of Carcinogenicity:IN LONG TERM ANIMAL STUDIES, DID NOT
CAUSE CANCER
Effects of Overexposure:N/K LD50 DERMAL RABBIT: 15,000 MG/KG.

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

First Aid:EYE:IRRIGATE IMMED W/WTR AT LEAST 5 MIN. SKIN:WASH IN FLOW
WTR/SHOWER.INGEST:DON'T INDUCE VOMIT.CALL DR/TAKE TO EMERG RM
IMMED.INHAL:REMV TO FRSH AIR.IF NO BREATH,MOUTH-MOUTH RESUSCTN.IF
BREATH DIFFIC LT,OXYGEN.CALL DR.NOTE TO DR:RAPID ABSORPTN MAY

OCCUR
THRU LUNGS(ASPIRTD).INDUCE VOMIT AT DR'S INSTRUCT.IF
LAVAGE,ENDOTRACHEAL/ ESOPHOGEAL CONTROL.NO SYMPATHOMIATIC DRUGS-W/O
ABSOLUTE NEED.NO ANTIDOTE

===== 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 &

FLAMMABLE ATMOSPHERE IN CONFINED OR POORLY-VENTILATED AREAS.

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

Spill Release Procedures:SMALL LEAKS: MOP UP, WIPE UP, OR SOAK UP
IMMED. REMOVE TO OUT OF DOORS. LARGE SPILLS: EVACUATE AREA. CONTAIN
LIQUID; TRANSFER TO CLOSED METAL CONTAINERS. KEEP OUT OF WATER
SUPPLIES.

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

Handling and Storage Precautions:HANDLE W/REASONABLE CARE. AVOID
BREATHING
VAPORS. STORE IN COOL, DRY PLACE. CONCENTATED VAPORS
HEAVIER THAN AIR, MAY COLLECT IN LOW/CONFINED AREAS.
Other Precautions:DON'T ENTER LOW OR CONFINED AREA WITHOUT SPECIAL
BREATHING APPARATUS & OBSERVER PRESENT. DON'T PACKAGE IN ALUMINUM
AEROSOL CAN W/FINELY DIVIDED ALUMINUM OR ALLOY IN AREOSOL CAN.
ALUMINUM NOT ACCEPTABL E MAT'L FOR PUMPS, MIXERS, FITTINGS, #

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

Respiratory Protection:MAINTAIN ATMOSPHERIC LEVELS
TLV/PEL,USE POSITIVE PRESSURE
SCBA. IN CONFINED/POORL Y VENTED AREA,USE POSTIVE PRESSURE SCBA.
Ventilation:CONTROL AIRBORNE CONCENTRATION