

MCKESSON CHEMICAL CO -- CHLOROTHENE SM SOLVENT, T1260031 -- 6810-01-208-9266

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Product Identification
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Product ID:CHLOROTHENE SM SOLVENT, T1260031

MSDS Date:02/14/1986

FSC:6810

NIIN:01-208-9266

MSDS Number: BRMBF

=== Responsible Party ===

Company Name:MCKESSON CHEMICAL CO

Address:ONE POST STREET

City:SAN FRANCISCO

State:CA

ZIP:94104

Country:US

Info Phone Num:415-893-9214

Emergency Phone

Num:800-424-9300(CHEMTREC)

CAGE:98901

=== Contractor Identification ===

Company Name:MCKESSON CHEMICAL CO

Address:ONE POST STREET

Box:City:SAN FRANCISCO

State:CA

ZIP:94104

Country:US

Phone:415-893-9214

CAGE:98901

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Composition/Information on Ingredients
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Ingred Name:ETHANE, 1,1,1-TRICHLORO-;(1,1,1-TRICHLOROETHANE)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 95.5%

OSHA PEL:350 PPM; 450 STEL

ACGIH TLV:350 PPM; 450 STEL

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ozone

Depleting Chemical:1

Ingred Name:BUTANE, 1,2-EPOXY-; (1,2-BUTYLENE OXIDE)

CAS:106-88-7

RTECS #:EK3675000

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:P-DIOXANE; (DIETHYLENE ETHER)

CAS:123-91-1

RTECS #:JG8225000

OSHA PEL:S, 100 PPM

ACGIH TLV:S, 25 PPM; 9293

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:METHANE, NITRO-; (NITROMETHANE)

CAS:75-52-5

RTECS #:PA9800000

OSHA PEL:100 PPM

ACGIH TLV:100 PPM

Ingred Name:SUPDAT:& PULM EDEMA/HEMORR. SINGLE DOSE TOX LOW TO MOD.
CHRONIC OVEREXP H

AS CAUSED LIVER TOX EFTS IN EXPT ANIMALS.

RTECS #:9999999ZZ

Ingred Name:FIRST AID PROC:OCCURS SPONT, KEEP VICTIM'S HEAD BELOW HIPS
TO PVNT BRTHG VOMITUS INTO LUNGS.

RTECS #:9999999ZZ

Ingred Name:SPILL PROC:PUMP INTO DOT-APPRVD WASTE CONTR/ABSORB
W/SORBENT MATL & PLACE RESIDUE IN DOT-APPRVD WASTE CONTRS. (ING 8)

RTECS #:9999999ZZ

Ingred Name:ING 7:KEEP OUT OF SEWERS, STORM DRAINS, SURF WATERS & SOIL.
COMPLY W/ALL APPLIC GOVT REGS ON SPILL RPTNG & HNDLG (ING 9)

RTECS #:9999999ZZ

In

gred Name:ING 8:& DISPOSAL OF WASTE.
RTECS #:9999999ZZ

Ingred Name:HNDLG STOR PREC:NOT USE PRESS TO EMPTY CONTR.
RTECS #:9999999ZZ

Ingred Name:OTHER PREC:HVR/AIR & COLLECT IN LOW PLACES SUCH AS
PITS/DEGREASERS/OTHER POORLY VENT AREAS. DO NOT ENTER PLACES (ING
12)
RTECS #:9999999ZZ

Ingred Name:ING 11:WHERE VAPS SUSP UNLESS SPEC RESP PROT WORN &
OBSERVER PRESENT. CONTRS, EVEN THOSE EMPTIED, WILL RETAIN (ING 13)
RTECS #:9999999ZZ

Ingred Name:ING 12:PROD RESIDUE & VAPS. ALWAYS OBEY H
AZ WARNINGS & HNDL
EMPTY CONTRS AS IF FULL.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:LD50: (ORAL, RAT) 10.3 G/KG
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:CHLOROCARBON MATLS HAVE PRDCED SENSIT
OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE SIMILAR
EFT IN HUMANS. ADRENOMIMETICS (EG EPINEPHRINE) MAY BE
C
ONTRA-INDICATED EXCEPT FOR LIFE-SUSTAINING USES IN HUMANS ACUTELY
OR CHRONICALLY EXPOS TO CHLOROCARBONS . INHAL:MIN EFTS EXPECTED @
EXPOS (EFTS OF OVEREXP)
Explanation of Carcinogenicity:P-DIOXANE:IARC MONOGRAPHS,SUPPLEMENT VOL
7,PG 201,1987:GROUP 2B. NTP 7TH ANNUAL RPT ON CARCIN,1992:ANTIC TO
BE A CARCIN.
Effects of Overexposure:HLTH HAZ:BELOW 1,000 PPM. DIZZ, DROW, THROAT
IRRIT EXPECTED AS RSLT OF EXPOS ABOVE 1,000PPM. UNCON & DEATH POSS
@ EXPOS ABOVE 10,000PPM. BLOOD
PRESS DEPRESS, CARD SENSIT &
VENTRICULAR ARRHY CAN RSLT F ROM EXPOS TO NEAR ANESTH LEVELS.
EYES:LIQ & VAPS CAN IRRIT EYES W/SLIGHT TEMPORARY CORNEAL INJURY.
MAY CAUSE (SUPDAT)
Medical Cond Aggravated by Exposure:ACUTE & CHRONIC LIVER DISEASE &
RHYTHM DISORDERS OF THE HEART.

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

First Aid:INHAL:REMOVE TO FRESH AIR. GIVE ARTF RESP IF NOT BRTHG. GET
IMMED MED ATTN. EYES:IMMED FLUSH W/LOTS RUNNING WATER FOR @ LEAS

T

15 MIN, LIFTING UPPER & LOWER EYELIDS OCCASNLY. GET IMMED MED ATTN.
SKIN: IMMED WASH SKIN W/LOTS SOAP & WATER. REMOVE CONTAMD CLTHG &
SHOES; WASH BEFORE REUSE. GET MED ATTN IF IRRIT PERSISTS AFTER
WASHING. INGEST:DO NOT INDUCE VOMIT. GET IMMED MED ATTN. IF VOMIT
(ING 6)

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

Flash Point:NONE
Lower Limits:7.5%
Upper Limits:15%
Extinguishing Media:WATER FOG.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRE
SSURE DEMAND SCBA
& FULL PROTECTIVE EQUIPMENT . USE WATER SPRAY TO COOL NEARBY CNTRS
& STRUCTURES EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard:THERMAL DECOMPOSITION PRODUCTS MAY
INCLUDE HCL, PHOSGENE . EXTING ALL NEARBY SOURCES OF IGNIT SINCE
VAPS DECOMPOSE TO HAZ PRODS AT HIGH TEMPERATURES.

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

Spill Release Procedures:WEAR PROT EQUIP INCL RUB BOOTS, RUB GLOVES,
RUB APRON, CHEM GOGG & RESP PROT. EXTING ALL I
GNIT SOURCES. FOR SM
SPILLS/DRIPS, MOP/WIPE UP & DISPOSE OF IN DOT-APPRVD WASTE CNTRS.
FOR LG SPILLS, CONTAIN BY DIKING W/SOIL/OTHER ABSORB MATL & THEN
(ING 7)
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. VENT CONTR
FREQUENTLY & MORE OFTEN IN WARM WEATHER, TO RELIEVE PRESS. KEEP
CONTR TIGHTLY CLOSED WHEN NOT IN USE. DO (ING 10)
Other Precaut
ions:NO SMKNG IN AREA OF USE. DO NOT USE IN GEN VICINITY
OF ARC WELDING, OPEN FLAMES/HOT SURFACES. HEAT &/OR UV RADIA MAY
CAUSE FORM OF HCL & PHOSGENE . REPAIR & MAINT PREC:DO NOT CUT,
GRIND, WELD/DRILL ON/NEAR CONTR. VAPS OF PROD (ING 11)

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

Respiratory Protection:NIOSH/MSHA APPROVED CANNISTER RESPIRATOR IN
ABSENCE OF ADEQUATE ENVIRONMENTAL CONTROLS AT THE POINT OF USE.
Ventilation:LOCAL MECH EXHAUST VENTILATION

CAPABLE OF MAINTAINING
EMISSIONS AT THE POINT OF USE BELOW THE PEL.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:LONG-SLEEVED SHIRT, TROUSERS, SAFETY SHOES &
RUBBER APRON. AN EYEWASH & SAFETY SHOWER SHLD BE NEARBY & READY FOR
USE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN
EYES, ON SKIN, OR ON CLOTHING.

Supplemental Safety and Health

EFTS OF OVEREXP:CONJ. SKIN:BRIEF CNTCT MAY DRY SKIN. RPTD/PRLNG
CNTCT

MAY IRRIT SKIN, CAUSING DERM. SINGLE PRLNG SKIN EXPOS NOT LIKELY TO
ABSORB HARMFUL AMTS. INGEST:SWALLOWING LIQ MAY RSLT IN VOMIT. IF
OCCURS SPONT, DO NOT ALLOW VOMITUS TO BE BREATHED INTO LUNGS AS
EVEN SM QTY IN LUNGS MAY RSLT IN CHEM PNEUMIT (ING 5)

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

Boiling Pt:B.P. Text:165F,74C

Vapor Pres:100

Vapor Density:4.55

Spec Gravity:1.321 (H*2O=1)

Evaporation Rate & Reference: