

THE STECO CORP. -- TAP MAGIC CUTTING FLUID -- 9150-00-068-7864

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

Product ID:TAP MAGIC CUTTING FLUID

MSDS Date:05/23/1986

FSC:9150

NIIN:00-068-7864

MSDS Number: BCXDY

=== Responsible Party ===

Company Name:THE STECO CORP.

Address:2330 CANTRELL ROAD

Box:2238

City:LITTLE ROCK

State:AR

ZIP:72203

Info Phone Num:1-800-643-8026

Emergency Phone Num:501-375-5644

Preparer's

Name:ASA L. MORTON, CHIEF CHEM

CAGE:JO973

=== Contractor Identification ===

Company Name:STECO CORP

Address:2330 CANTRELL ROAD

Box:2238

City:LITTLE ROCK

State:AR

ZIP:72203

Country:US

Phone:800-643-8026

CAGE:17781

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

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

CAS:71-55-6

RTECS

#:KJ2975000  
Fraction by Wt: 90% MAX  
Other REC Limits:STEL-450  
OSHA PEL:350 PPM/450 STEL  
ACGIH TLV:350 PPM/450STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS  
Ozone Depleting Chemical:1

Ingred Name:TERT-BUTYL ALCOHOL (SARA III)  
CAS:75-65-0  
RTECS #:EO1925000  
Fraction by Wt: 3% MAX  
Other REC Limits:STEL-150  
OSHA PEL:100 PPM  
ACGIH TLV:100PPM 9394

Ingred Name:1,2-BUTYLENE OXIDE (SARA III)  
CAS:106-88-7  
RTECS #:EK3675000  
Fraction by Wt: 3% MAX  
Other REC Limits:EST STEL-100  
EPA Rpt Qty:1 LB  
DOT R  
pt Qty:1 LB

Ingred Name:METHYLAL (DIMETHOXYMETHANE)  
CAS:109-87-5  
RTECS #:PA8750000  
Fraction by Wt: 3% MAX  
Other REC Limits:STEL-1250  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9192

Ingred Name:PETROLEUM OIL, ALIPHATIC  
CAS:68815-10-1  
Fraction by Wt: 3% MAX  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

Ingred Name:VEGETABLE OIL, ESSENTIAL (CINNAMALDEHYDE)  
CAS:104-55-2  
RTECS #:GD6475000  
Fraction by Wt: 3% MAX  
Other REC Limits:N/K  
OSHA PEL:N/K  
ACGIH TLV:N/K

===== Hazards Iden

tification =====

LD50 LC50 Mixture:SKIN:LD50 15,000 MG/KG (RABBITS)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHAL:500-1000 PPM:MINIMAL

ANESTH/NARCTC EFF.LVL OVER 1000 PPM:MAY CAUSE DIZZ,DRUNK.10,000 PPM  
CONC:UNCON + DEATH.CONFINE/POOR VENT AREAS VAPORS ACCUM CAN CUASE  
UNCON + DEATH.HIGH LVL MAY ALSO CAUSE C ARDIAC  
ARRHYTHMIAS.SKIN:SINGLE PRLNG EXPOS NOT LIKELY

TO CAUSE ABSORP OF

HARMFUL AMT.INGEST:SINGLE DOSE (SEE OVEREXPOS)

Explanation of Carcinogenicity:DOES NOT CAUSE CANCER IN LONG TERM

ANIMAL STUDIES. NOT A CARCINOGEN OF SUSPECT CARCINOGEN (MFR).

Effects of Overexposure:TOXIC LOW.LD50 >10,000 MG/KG(RAT).IF ASPIRATED

MAY BE RAPID ABSORB THROUGH LUNGS + INJURE OTHER BODY SYS.EYE:MAY  
CAUSE PAIN + IRRIT W/TRANSIENT CORNEAL INJURY.

CHRONIC:SKIN:RPTD/PRLNG EXPOS MAY CAUSE DEFAT OF SKIN +  
RASH/IRRIT.BASE ON AVAIL DATA,RPTD EXPOS

NOT ANTICIPATE TO CAUSE

ANY SIGNIFICANT ADVERSE EFF.(SUP DAT)

Medical Cond Aggravated by Exposure:N/K

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

First Aid:EYE:FLUSH GENTLY W/H\*20 FOR AT LEAST 15 MIN.SUPPORT TRTMT BY

MD RECM.SKIN:WASH W/MILD SOAP + H\*20.RMV WET CLTHG UNTIL DRY.

INHAL:RMV TO FRESH AIR.INDV W/PRONOUNCED ANESTH EFFECT MAY REQUIRE

ARTF RESP + O\*2.EPINEPHRINE + OTHER DRUGS W/SIM ACTIVITY SHOULD  
NOT BE ADMIN.INGESTION:DO NOT INDUCE VOMI

T.CALL MD AND/OR TRANSPORT

TO EMERGENCY FACILITY IMMEDIATELY.

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

Flash Point:NONE

Lower Limits:6

Upper Limits:16.7

Extinguishing Media:WATER FOG

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA  
+ FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:THRM DECOMP PROD MAY INCLUDE HCL +

PHOSGENE.PROD DOES NOT PRESENT FIRE HAZ,BUT WHEN CONC VAPORS ARE  
EXP TO OPEN FLAME/HIGH ENERGY ELEC ARCS,

(SEE SUP DATA)

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

Spill Release Procedures:SMALL SPILLS:MOP UP, WIPE UP OF SOAK UP IMMEDIATELY. REMOVE TO OUT-OF-DOORS. LARGE SPILLS:EVACUATE AREA. CONTAIN LIQUID;TRANSFER TO CLOSED METAL (STEEL) CONTAINERS. KEEP OUT OF WATER SUPPLY.

Neutralizing Agent:PRODUCT MAY BE EFFECTIVELY ABSORBED WITH ACTIVATED CHARCOAL.

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

Handling and Storage Precautions:

LGE AMT VAPORS CAN DISPL O\*2 IN

CONFINE AREA.DO NOT ENTER AREA WHERE VAPOR SUSP UNLESS SPCL BRTHING EQPT USED+OBS PRESENT FOR ASST.DO NOT TAKE INTERN.

Other Precautions:NO SMKING IN AREA OF USE.DO NOT USE IN GENL VICINITY OF ARC WELD,OPEN FLAME/HOT SURF.HEAT +/-OR UV RADN MAY CAUSE FORMATION OF HCL +/-OR PHOSGENE.AL NOT RECM FOR CNTNR/HANDLE EQUIP.SELECT COOL,DRY ,WELL VENT STORE AREA.SHELF (SUPP DATA)

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

Respir

atory Protection:NIOSH/MSHA APVD RSPTR APPROPRIATE FOR EXPSR OF CONCERN .NONE DURING NORM USE.WHEN RESP PROT REQD FOR CERTAIN OPN,USE APVD AIR PURIFY RSPTR.FOR EMER CONDTN WHERE EXPOS GUIDELINE MAY BE GREATLY EX CEDED,USE APVD POSITIVE PRESSURE SCBA.

Ventilation:NORMAL VENTILATION W/REGULAR USE TO MAINTAIN THE TLV BELOW RECOMMENDED VALUES (350 PPM)

Protective Gloves:SYNTHETIC RUBBER GLOVES

Eye Protection:CHEMICAL WORKERS GOGGLES

Other Protective Equipment:SYNTHETIC RUBBER APRON

S + OVERSHOES MAY BE

NECESSARY TO PREVENT EXCESSIVE SKIN CONT WHEN DEALING W/LGE SPILLS(MANY GAL).

Work Hygienic Practices:USE W/ADEQUATE VENT AVOID PRLNG/RPTD SKIN CONT OR BRTHING OF VAPORS.CONC VAPORS HTA + WILL COLLECT IN LOW AREAS.

Supplemental Safety and Health

BP:(70-88C).EVAP RATE:(24C)BUTYL ACETATE=1/PH+CARC:FP N.FIRE EXPLSN

HAZ:IRRIT+TOXIC GASES(HCL) MAY BE

FORMED.OVEREXP:1,1,1-TRICHLOROETANE CAUSES PROARRHYTHMIC ACTIVITY WHICH SENSITIZES HEART TO EPINEP HRINE-IN

DUCED

ARRHYTHMIAS(DANGEROUS PROPERTIES OF INDUSTRIAL MATL 6TH ED BY IRVING SAX)OT PREC:LIFE INDEF AT AMB TEMP.

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

HCC:T4

Boiling Pt:B.P. Text:158-190F

Melt/Freeze Pt:M.P/F.P Text:N/K

Decomp Temp:Decomp Text:N/K

Vapor Pres:100

Vapor Density:4.55

Spec Gravity:1.35

Evaporation Rate & Reference:0.6 GAL/SQ FT/DAY AT 77F

Solubility in Water:0.07% BY WEIGHT

Appearance and Odor:AMBER LIQUID,AROMATIC ODOR.NON AQUEOUS.

Perce

nt Volatiles by Volume:>90

Corrosion Rate:

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

Stability Indicator/Materials to Avoid:YES

MG + AL ARE ATTACKED AT ELEV TEMP.POLYSTYRENE,CELLULOSE ACETATE

PROPIONATE + POLYCARBONATE PLSTC DISLVD.SWELLS RUBBER.

Stability Condition to Avoid:PROLONGED STORAGE IN CONT W/H\*20 MAY CAUSE

SOME DECOMP + FORM OF HCL (WHEN STORE TEMP ABV 150F.THRM DECOMP AT 325C, 620F

Hazardous Decomposition Products:HCL,PHOSGENE .WHEN EXP TO OPEN

FLAMES(WELD TORCHES)/HIGH ENERGY ARCS,PROD MAY DECOMPOSE YIELDING HCL GAS.

Conditions to Avoid Polymerization:CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:NONE.

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

Waste Disposal Methods:DSPL MUST BE IN A/W FED,STATE + LCL REG .VERY SM AMT MAY BE EVAP IN COMPLIANCE W/LOCAL,STATE +FED REG.LARGE QUANTITIES MAY BE SENT TO LICENSED RECLAIMER/PERMITTED INCINERATORS.NEVER DUMP INTO SE WERS, ON THE GROUND

OR INTO ANY  
BODY OF WATER.

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