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TICONA (HOECHST CELANESE CORPORATION) -- CELCON TOX-TEA SOLID KD0004 9110-00-889-3553

Product ID:CELCON TOX-TEA SOLID KD0004 MSDS Date:10/25/1998 FSC:9110 NIIN:00-889-3553 Status Code:A **MSDS Number: CJDKL** === Responsible Party === Company Name: TICONA (HOECHST CELANESE CORPORATION) Address:90 MORRIS AVE City:SUMMIT State:NJ ZIP:07901 Country:US Info Phone Num: 800 833 4882 Emergency Phone Num:808 322-7818 Resp. Party Other MSDS Num.:X1000 Preparer's Name: O. SCHNALLENBERGER Chemtrec Ind/Phone:(800)424-9300 CAGE:19240 === Contractor Identification === Company Name: AUTO SKATE CO Address:747 LIDGERWOOD AVE Box:City:ELIZABETH State:NJ ZIP:07202-3115 Country:US Phone:201-355-1536 CAGE:1Y963 Company Name: HOECHST CELANESE CORPORATION Address:90 MORRIS AVE Box:City:SUMMIT State:NJ ZIP:07901 Country:US Phone:800 833 4892 CAGE:19240 Company Name: VAN BEN INDUSTRI

ES INC. Address:530 MAIN STREET (REAR) Box:330 City:CLINTON State:MA ZIP:01510 Country:US Phone:508-368-8145/MICHAEL MARONI CAGE:3Z202 Ingred Name:TRIOXANE CAS:110-88-3 RTECS #:YK0350000 = Wt:100. LD50 LC50 Mixture:ORAL LD50=8190MG/KG(RAT) Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Ha zards Acute and Chronic:SKIN:ESSENTIALLY NON-IRRIT.PRACTICALLY NON-TOXIC BY DERM ABSORP.EYE:MAY CAUSE SEVERE INJURY,DMG REVERSIBLE(BASED ON LAB ANIMAL DATA).INHAL:PRACTICALLY NON-TOXIC BY INHAL.MAY CAUSE IRRIT OF RESP TRACT. INGEST: PRACTICALLY NON-TOXIC; MAY RELEASE FORMALDEHYDE, WHICH MAY RESULT IN IRRT OF GASTROINTESTINAL TRACT. OVERHEAT MAY RESULT IN RELEASE OF FORMALDEHYDE-IRRIT EYE/RESP TRACT.CONTACT W/ACID MAY CAUSE RA PID RX RELEASING HEAT-BURST CNTNRS. Explanatio n of Carcinogenicity:NOT LISTED BY ACGIH, IARC, NIOSH.NTP, OSHA.NO SPEC INFO AVAI ON PROD.FORMALDEHYDE LISTED AS POTENTIAL CANC HAZ BY OSHA, PROB HUMAN CARC BY IARC(2A), SUBSTANCE WHICH CAN REASONABLY BE ANTICP TO BE CARC BY N TP.FORMALDEHYDE SHOULD NOT POSE A RISK IF EXPO ARE KEPT BEL OSHA PEL. Effects of Overexposure: IF FORMALDEHYDE IS RELEASED AS AN OFF-GAS. A BURNING SENSATION AND TEARING OF THE EYES MAY OCCUR.AN IRRITATING ODOR MAY BE NOTED.

Medical Cond Aggravated by

Exposure:ANY CONDITION WORSEN BY PROD IRRIT PROP.OFF-GASES,WHICH MAY BE RELEASE IF OVERHEAT,MAY AFFECT THOSE W/CHRONIC DISEASES OF RESP SYST.TARGORGS:MAY CAUSE IRRIT&RESP TRACT.MAY ADVESELY AFFECT FETUS DVLPMT.

First Aid:SKIN:SUBST SHOULD BE PROMPTLY WASH W/MILD SOAP/H2O.IRRIT OCCURS GET MED ATTN.EYE:IMMED FLUSH W/LOTS OF H2O FOR @LEAST 15MINS.GET MED ATTN.INHA:REMOVE FROM CONTAMINATED AREA. GET MED A

TTN.INGEST:GIVE 2 GLASSES OF H2O TO DIL.SEEK MED ATTN IMMED.NOTE TO DR:PROD LOW TOXICITY;HOWEVER IF OVERHEAT/BURNS GASES LIKE CO & FORMALDEHYDE MAY BE RELEASE.EXPO TO OFF GASES MAY NEED TO HAVE ARTERIAL BLOOD GASES & C ARBOXYHEMOGLOBIN LEVELS CHECKED. CAREBOXYHEMOGLOBIN LEVELS NORM & EXPO IN ENCLSD SPACE ASPHYXIA(CO2 REPLACE OXY) POSSIBLE.FORMALDEHYDE-RESP IRRIT GAS.INHAL HI CONC OF IRRIT FUMES SHOULD BE MONITOR FOR DELAYED ONSET PULM EDEMA.

======= Fire

Fighting Measures ==================

Flash Point Method:SCC Flash Point:=20.C, 68.F Autoignition Temp:=414.2C, 777.6F Lower Limits:3.6 Upper Limits:29.0 Extinguishing Media:WATER SPRAY, FOAM, CARBON DIOXIDE, OR DRY CHEMICAL. Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR SELF-CONTAIN BREATH APPARATUS & FULL FIREFIGFHTING TURNOUT GEAR(BUNKER GEAR).KEEP PERSONNEL REMOVED FRM & UPWIND OF FIRE.H2O SHOULD BE UESD TO KEEP FIRE-EXPO CNTNRS COOL.WATER ,FOAM,DRY CHEM MAY CAUSE DMG TO ELECTRICAL EQPMT. Unusual Fire/Explosion Hazard:THIS PRODUCT IS CONSIDERED A FLAMMABLE

SOLID BASED ON OSHA HAZ COMMUNICATION STD (29CFR1910.1200).MATL IS FLAMM AND BURNS W/A COLORLESS FLAME.OVERHEATING MAY RESULT IN RELEASE OF FORMALDEHYDE-IRRIT EY ES & RESP TRACT.

Spill Release Procedures:REMOVE ALL IGN SOURCES.SWEEP MATL UP INTO DUSTPAN & INCINERATE.CONTAMINATED AREAS SHOULD BE THOROUGHLY VENTILATED,A Handling and Storage Precautions: USE OF HOT WATER OR STEAM JACKETED SYTEMS FOR MELTING OPERATIONS IS RECOMMENDED.STORE IN COOL WELL-VENTILATED AREA AWAY FROM ALL SOURCES OF FLAME, SPARK, OR IGNITION.KEEP CONTAINER CLOSED. Other Precautions: MATERIAL IS FLAMMABLE AND BURNS WITH COLORLESS FLAME.

Respiratory

Protection:NIOSH APPROVED RESPIRATOR IS RECOMMENDED IF THERES POSSIBILITY THAT DECOMPO VAP MAY BE GENERATED.IF VAP CONC EXCEEDS USE LIMITATIONS, USE SELF-CONTAINED BREATHING APPARATUS.
Ventilation:LOC EXHAU:RECOMMENDED WHWEN APPROP TO CNTRL WORKER EXPO TO DUST/PROCESS VAP.VAP MUST BE CONTAINED OR EXHAU THRU EQPMT DESIGNED TO HNDL FLAMM VAP.(SUPPLEMENTAL)
Protective Gloves:NEOPRENE OR RUBBER GLOVES.
Eye Protection:CHEMICAL GOGGLES.
Other Protective Equipment:OPERATIONS WHOULD BE R
EVIEWED TO ASSURE THAT PARTICULATE LEVELS ARE KEPT BELOW RECOMMENDED STANDARDS.
Supplemental Safety and Health
VENTI:LOC EXHAU MAY NOT BE ADEQUATE AS SOLE MEANS TO CONTROL EXPO.GEN:AN INERT ATM IS REQUIRED FOR ANY OPERATIONS WHICH COULD

CREATE SPARK, INCLUDE GRINDING OPERATON.

HCC:F8 Boiling Pt:=114.4C, 237.9F B.P. Text:@760MM HG PRESSURE Melt/Freeze Pt:=61.C, 141.8F Vapor Pres:10.0MM HG@20C Vapor Density:1.0-1.2 S pec Gravity:1.17@149F Solubility in Water:17.2WT@18C Appearance and Odor:WHITE NEEDLE-LIKE OR PRISMATIC CRYSTALS,SOLID; PLESANT, SWEET ETHER LIKE ODOR Percent Volatiles by Volume:100%SUBLIMES

Stability Indicator/Materials to Avoid:YES LEWIS ACIDS,STRONG MINERAL ACIDS,OR OXIDIZING AGENTS. Stability Condition to Avoid:FLAME;CONTACT W/ACIDS OR OXIDIZ GENTS.HEATING >302F(150C)CAN GENERATE FORMALDEHYDE GAS. CONTACT W/LE

WIS ACIDS CAN LEAD TO RAPID EXO POLYMERIZATON, WHICH COULD CAUSE BURSTING OF CNTNR Hazardous Decomposition Products: FORMALDEHYDE AND PARAFORMALDEHYDE. HAZ
PROD OF COMBUST:CARBON MONOXIDE AND CARBON DIOXIDE. Conditions to Avoid Polymerization:POLYMERIZES SLOWLY UNDER ANHYDROUS CONDITION.CONTACT W/LEWIS ACIDS CAN LEAD TO RAPID EXO POLYMERIZATION,CAN CAUSE CNTNR BURST
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Toxicological Information:DERAML LD50>3980MG/KG(R ABBIT).INHAL
LC50>39100MG/M3(RAT).EYE IRRIT:MODERATE IRRIT(17.6@24H)(RABBIT).DERM
IRRIT:NON-IRRIT(RABBIT).SENSITIZATION:1/10,MOD MAGUIRC-ADJUVANS TEST)G.PIG).RAT EXPO 0,40,200,1
000MG/KG/DAY,7DAY/WK,28DAYS.!1000MG/KG LEVEL LOWERING IN BLOOD LENDOCYTE COUNT WAS NOTED AS WELL AS SLIGHT INCR IN LIVER
FUNCTIONGGT,GPT,GOT VAL & LOWERED PROTEIN&GLUCOSE LEVE.NO OBSERV EFFECTLEVE,N OEL DETERM TO BE 200MG/KG/DAY.
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Ecological:DAPHNIA LC50>18500MG/L(24H);15200MG/L(48H).CYPRINODEN LC50 18800MG/L(24H),16350MG/L(48H).ZEBRA BARBS LC50>5000MG/L(48&96H).
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Waste Disposal Methods: INCINERATE IN CHEMICAL INCINERATOR IN ACCORDANCE WITH ALL FEDERAL/STATE/LOCAL REGS.
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Transport Information:N/PDOT PROPER SHIPPING NAME:FLAMM SOLIDS,N.O.S.(1,3,5-TRIOXANE),DOT HA
Z CLASS:4.1,FLAM SOLID. UN/NAID#:UN1325.PKG II,RQ:NONE,ER GUIDEBOOK#:32.
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SARA Title III Information: THIS PRODUCT DOES NOT CONTAIN ANY TOXIC CHEMS SUBJ TO REPORTING REQMTS OF SEC 313 OF EPCRA OF 1986 AND OF 40CFR372.
Federal Regulatory Information: ALL COMPONENTS OF THIS PRODUCT COMPLY WITH TSCA REGULATIONS.
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