

ROECHST CELANESE CORP,ADV MATLS GROUP -- KD0001 CELCON TRIOXANE SOLID --
9110-00-263-9865

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

Product ID:KD0001 CELCON TRIOXANE SOLID
MSDS Date:10/02/1995
FSC:9110
NIIN:00-263-9865
MSDS Number: BWGJQ
=== Responsible Party ===
Company Name:ROECHST CELANESE CORP,ADV MATLS GROUP
Address:90 MORRIS AVE
City:SUMMIT
State:NJ
ZIP:07901
Country:US
Info Phone Num:800-833-4552
Emergency Phone Num:800-424-9300(CHEMTREC)/800-835-5235
Preparer
's Name:SU MAH
CAGE:KO964
=== Contractor Identification ===
Company Name:CELANESE ENGINEERING RESINS DIV
Address:1211 AVE OF THE AMERICAS
Box:City:NEW YORK
State:NY
ZIP:10036
Country:US
Phone:212-719-8000
CAGE:71362
Company Name:ROECHST CELANESE CORP,ADV MATLS GROUP
Address:90 MORRIS AVE
Box:City:SUMMIT
State:NJ
ZIP:07901
Country:US
Phone:800-833-4552
CAGE:KO964

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

Ingred Name:TRIOXANE
CAS:110-88-3
RTECS #:YK0350000
Fraction by

Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT): >5.0G/KG.

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:SKIN:ESSENTIALLY NON-IRRIT.PRACTICALLY
NON-TOXIC BY DERMAL ABSORPTION.EYE:MAY CAUSE SEVERE INJURY,DMG
REVERSIBLE(BASED ON LAB ANIMAL DATA).INHAL:PRACTICALLY NON-TOXIC BY
INHAL.MAY C

AUSE IRRIT OF RESP TRACT.INGEST:PRACTICALLY
NON-TOXIC,MAY RELEASE FORMALDEHYDE WHICH MAY RESULT IN GI TRACT
IRRIT.

Explanation of Carcinogenicity:PER MSDS:FORMALDEHYDE(RELEASED AS AN
OFF-GAS).POSE NO RISK IF EXPOSURES KEPT BELOW OSHA PEL.

Effects of Overexposure:IF FORMALDEHYDE IS RELEASED AS AN OFF-GAS A
BURNING SENSATION & TEARING OF EYES MAY OCCUR.A PENETRATING ODOR
MAY BE NOTED. SEVERE EYE INJURY, DAMAGE REVERSIBLE. IRRIT RESP
TRACT & GI TRACT.

Medical Cond Aggravate

d by Exposure:ANY CONDITIONS WORSENER BY IRRIT
PROPERTIES OF PROD.OFF-GASES(RELEASED IF OVERHEATED)MAY AFFECT
THOSE W/CHRONIC DISEASES OF RESP SYS.TARORG:CAUSE EYES/RESP TRACT
IRRIT.ADVERSELY AFFECT (SUPPLEMENTAL)

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

First Aid:SKIN:PROMPTLY WASH FROM SKIN W/MILD SOAP/WATER.IRRIT OCCURS
GET MED ATTN.EYE:FLUSH W/PLENTY OF WATER FOR 15MINS.GET MED
ATTN.INHAL:REMOVE FROM CONTAMIN.GET MED ATTN.INGEST:IVE 2 GLASSES

OF WATER TO DI LUTE.GET MED ATTN.NOTE TO DR:PROD LOW
TOXICITY;HOWEVER OVERHEATED/BURNS GASES (CO,FORMALDEHYDE)MAY BE
RELEASED.EXPO MAY NEED TO HAVE ARTERIAL BLOOD
GASES/CARBOXYHEMOGLOBIN LEVELS CHECKED.(SUPPLEMENT)

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

Flash Point Method:SCC

Flash Point:68.0F,20.0C

Autoignition Temp:Autoignition Temp Text:414.2C

Lower Limits:3.6

Upper Limits:29.0

Extinguishing Media:WATER SPRAY, FOAM, CARBON DIOXIDE, DRY CHEMICAL

Fire Fighting Procedures:SHOULD WEAR SCBA/FULL FIRE-FIGHT TURN-OUT GEAR(BUNKER GEAR).KEEP PEOPLE REMOVED FROM/UPWIND OF FIRE.KEEP FIRE-EXPO CNTNRS COOL W/H2O.H2O/FOAM/DRY CHEM DMG ELEC
Unusual Fire/Explosion Hazard:PRODUCT CONSIDERED FLAMMABLE SOLID BASED ON OSHA HAZ COMM STD.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION.SWEEP MATL UP INTO DUSTPAN & INCINERATE.CONTAMINATED AREAS SHOULD BE THOROUGHLY VENTILATED & DUST MASK SHOULD BE USED DURING CLEANING.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE OF HOT WATER/STEAM JACKETED SYSTEMS FOR MELTING OPERATIONS IS RECOMMENDED.STORE IN COLL WELL VENTI AREA AWAY FROM ALL FLAME/SPARK/IGN SOURCES.
Other Precautions:KEEP CNTNR CLSD.VENTI:EQPMT DESIGNED TO HDNLG FLAMM VAP.LOC EXHAU MAY NOT BE ADEQUATE AS SOLE MEANS TO CONTROL EXPO.INERT ATM REQUIRED FOR ANY OPERATIONS WHICH COULD CREATE SPARK INCLUDING GRINDING OPERATIONS.NOT INTENDED FOR MED/DENTAL USE

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

Respiratory Protection:A NIOSH APPROVED RESP IS RECOMMENDED IF THERE IS A POSSIBILITY THAT DECOMPOSITION VAPORS MAY BE GENERATED.IF VAPOR CONCENTRATION EXCEEDS USE LIMITATION, SELF-CONTAINED BREATHING APPARATUS.
Ventilation:LOC EXHAUT:RECOMMENDED WHEN APPROP TO CNTRL WORKER EXPO TO DUST/PROCESS VAP.VAP CONTAIN/EXHAU TRHU (SEE OTHER PRECAUT)
Protective Gloves:NEOPRENE, RUBBER GLOVES.
Eye Protection:GOGGLES.
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
MED CONDITIONS:DEVELOPMENT OF FETUS.MAY AFFECT MALE REPRODUCTIVE CAPABILITIES. 1ST AID:CARBOXYHEMOGLOBIN LEVELS NORML/EXPO OCCURED IN ENCLSD SPACE ASPHYXIA POSSIBILITY.FORMALDEHYDE RESP IRRIT.HIGH CONCSH

ULD BE MONITORED FOR DELAYED ONSET PULM EDEMA.

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

HCC:F8

Boiling Pt:B.P. Text:238F,114C

Melt/Freeze Pt:M.P/F.P Text:142F,61C

Decomp Temp:Decomp Text:NP

Vapor Pres:10.0 @20C

Vapor Density:1.0-1.2

Spec Gravity:1.17 @149F

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:APPRE, 17.2 %@18C.

Appearance and Odor:WHITE NEEDEL-LIKE OR PROSMATIC CRYSTALS, PLEASANT,
SWEET ETHER-LIKE ODOR, SOLID

Percent Volatil

es by Volume:100.0

Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES

ACIDS, OXIDIZING AGENTS, LEWIS ACIDS, STRONG MINERAL ACIDS.

Stability Condition to Avoid:FIRE, CONTACT W/ACIDS OR OXIDIZING AGENTS.

HEATING ABOVE 302F (150C) CAN GENERATE FORMALDEHYDE GAS.

Hazardous Decomposition Products:CARBON MONOXIDE AND CARBON DIOXIDE,
FORMALDEHYDE & PARAFORMALDEHYDE.

Conditions to Avoid Polymerization:POLYMERIZES SLOW

LY UNDER ANHYDROUS

CONDITIONS.CONTACT W/LEWIS ACIDS CAN LEAD TO RAPID EXO

POLYRZTION,CAUSE BURST OF CNTR

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

Waste Disposal Methods:INCINERATE IN CHEMICAL INCINERATOR IN ACCORDANCE
WITH ALL FED/STATE/LOCAL REGULATIONS.DOES NOT CONTAIN ANY TOXIC
CHEM SUBJ TO EPCRA/40CFR372.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department

of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.