

ROECHST CELANESE CORP,ADV MATLS GROUP -- KD0001 CELCON TRIOXANE SOLID --
9110-00-889-3553

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

Product ID:KD0001 CELCON TRIOXANE SOLID

MSDS Date:10/02/1995

FSC:9110

NIIN:00-889-3553

MSDS Number: BFTXW

=== 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

Ingred Name:MAGNESIUM STEARATE; % WT PER TABLE I OF SPECIFICATION
Fraction by Wt: 5.0%

Ingred Name:METHYLEN BLUE(USED AS DYE,PER SPECIFICATION);% WT AS
REQUIRED TO COLOR THE FUEL
CAS:61-73-4
RTECS #:SO5600000
Fraction by Wt: UNK

===== 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 CAUSE 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-G

AS).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 Aggravated 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.ADVERSE

LY 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/CARBOXYHEMOGLOB

IN 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

Unusu

al 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 Stora

ge 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 OP ERATIONS.NOT INTENDED FOR MED/DENTAL USE

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

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Respiratory Protection:A NIOSH APPROVED RESP IS RECOMMENDED IF THERE IS A POSSIBLITY 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 POSSIBLITY.FORMALDEHYDE RESP IRRIT.HIGH CONC SHOULD 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 T

emp: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 Volatiles 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 SLOWLY UNDER ANHYDROUS CONDITIONS.CONTACT W/LEWIS ACIDS CAN LEAD TO RAPID EXOPOLYMERIZATION, CAUSE BURST OF CNTR

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

Waste Disposal Met

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

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