

MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-297/29797-40-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

29797-40-8

Code:

M

RTECS:

Code:

X

Name:

DICHLOROTOLUENE 1

Other REC Limits:

50 PPM, S (MFRR)

OSHA PEL:

NOT APPLICABLE

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT APPLICABLE

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

IF WORKPLACE EXPOS LIMIT(S) OF PROD/ANY COMPONENT IS EXCEEDED, NIOSH/MSHA APPRVD AIR SUPP RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CNTRL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA APPRVD RESP (NEG PRE SS TYPE) UNDER SPECIFIED CNDTNS (ING 13)

Ventilation:

PROVIDE SUFF MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV (S).

Protective Gloves:

NEOPRENE, NITRILE RUBBER GLOVES.

Eye Protection:

CHEMICAL WORKERS GOGGLES (FP N).

Other Protective Equipment:

Equipment TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

Work Hygienic Practices:

NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health:

FIRE FIGHT PROC: SPRAYED INTO CNTNRS OF HOT, BURNING LIQ.H₂O MAY BE USED TO KEEP FIRE-EXPOS CNTNRS COOL UNTIL FIRE IS OUT. EXPLO HAZ: MOVED BY VENT & IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES & IGNIT SOURCES AT LOCATIONS DISTANT FROM MATL HNDLG POINT. MATLS TO AVOID: AMTS OF PHOSGENE AND CHLORINE.

Health Hazards Data

LD50/LC50 Mixture:

NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

YES 4

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

(ACUTE)SKIN: PRNGD/RPTD CONT CAN CAUSE MOD IRRIT, DEFAT, DERM. EYES: CAN CAUSE SEV IRRIT, REDNESS, TEARING, BLURRED VISION.INGEST: CAN CAUSE GI IRRIT, NAUS, VOMIT, & DIARR. ASPIR OF MATL INTO LUNGS CAN CAUSE CHEM PNEUM WHICH CAN BE FATAL. INHAL: EXCESSIVE INHAL OF VAPS CAN CAUSE NASAL & RESP IRRIT, CNS (EFTS OF OVEREXP)

Explanation Of Carcinogenicity:

NOT RELEVANT.

Signs And Symptoms Of Overexposure:

HLTH HAZ:EFTS INCL DIZZ, WEAK, FATIGUE, NAUS, HDCH & POSS UNCON,& EVEN DEATH. IRRIT MUC MEMB OF NASAL & RESP SYS. HIGH CONC IRRIT EYES & CAUSE COUGHING & LABORED BRTHG. SYMP OF HIGH EXPOS ARE RETCHING & VOMIT, FOLLOWED BY DFCLT BRTHG. (CHRONIC) WHEN PRODS OF SIMILAR COMPOSITION WERE TESTED ON LAB ANIMALS, WEAK (ING 6)

Medical Cond Aggravated By Exposure:

NONE SPECIFIED BY MANUFACTURER.

First Aid:

SKIN: THORO WASH EXPOS AREA W/SOAP & H₂O. REMOVE CONTAM CLTHG. LAUNDER CONTAM CLTHG BEFORE RE-USE. EYES: FLUSH W/LRG AMTS OF H₂O FOR AT LEAST 15 MIN, LIFTING UPPER & LOWER LIDS OCCAS. GET MED ATTN. INGEST: DO NOT INDUCE VOMIT, KEEP PERSON WARM, QUIET,& GET MED ATTN. ASPIR OF MATL INTO LUNGS DUE TO VOMIT CAN CAUSE CHEM PNEUM WHICH CAN BE FATAL. INHAL: REMOVE INDIV TO FRESH AIR. IF BRTHG IS(ING 8)

Spill Release Procedures:

SM SPILL:ABSORB LIQ ON PAPER, VERMICULITE, FLOOR ABSORB/OTHER ABSORB MATL & TRANSFER TO HOOD.LRG SPILL:ELIM ALL IGNIT SOURCES (FLARES, FLAMES INCL PILOT LIGHTS, ELEC SPARKS). PERSONS NOT WEARING PROT EQUIP SHOULD BE EXCLUDED FROM AREA OF (ING 9)

Neutralizing Agent:

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods:

SML SPILL: ALLOW VOLAT PORTION TO EVAP IN HOOD. ALLOW SUFF TIME FOR VAPS TO COMPLETELY CLEAR HOOD DUCT WORK. DISP OF REMAINING MATL I/A/W FED, ST & LOC REGS. LRG SPILL: DISP OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions:

CNTNRS OF MATL MAY BE HAZ WHEN EMPTIED. SINCE EMPTIED CNTNRS RETAIN PROD RESIDUES (VAP, LIQ, &/OR SOLID), ALL HAZ PREC GIVEN IN MSDS MUST BE OBSERVED.

Other Precautions:

NONE SPECIFIED BY MANUFACTURER.

Fire and Explosion Hazard Information

Flash Point Method:

PMCC

Flash Point:

140F,60C

Autoignition Temp:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:

5 REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL.

Fire Fighting Procedures:

WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP(FP N).H₂O/FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT & POSS ENDANGER LIFE OF FIREFIGHTER, ESPEC IF (SUPDAT)

NEVER USE EXPLO/BLASTING CNTNRS (EVEN EMPTY) BECAUSE PROD (EVEN JUST RESIDUE) CAN IGNITE EXPLO.VAPS ARE HVR/AIR & MAY TRAVEL ALONG GROUND/BE (SUPDAT)

Physical/Chemical Properties

HCC:

NRC/State IC No:

Net Prop WT For Ammo:

N/A

Boiling Point:

40F,207C

Melt/Freeze Pt:

N/K

Decomp Temp:

N/K

Vapor Pres:

0.30 @100F

Vapor Density:

HVR/AIR

Volatile Org Content %:

N/A

SPEC Grav:

0.890-0.910

VOC Pounds/Gallon:

N/K

VOC Grams/liter:

N/K

Viscosity:

N/P

Evaporation Rate & Reference:

SLOWER THAN ETHER 6

Solubility in Water:

N/K

Appearance and Odor:

CLEAR, AMBER LIQUID, HOMOGENEOUS SOLUTION

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:

HEAT, OPEN FLAME, AND PROLONGED STORAGE AT ELEVATED TEMPERATURES.

Materials To Avoid: STRONG OXIDIZING AGENTS, WELDING ARCS, RESISTANCE HEATERS, ETC., WHICH CAN RSLT IN THERM DECOMP RELE HCL & SM

(SUPDAT)

Hazardous Decomposition Products:

MAY FORM TOXIC MATERIALS: CO₂ AND CO, HCl, VARIOUS HYDROCARBONS, ETC.

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

NOT RELEVANT.

Toxicological Information

Information:N/P

MSDS Transport Information

Information:N/P

Regulatory Information

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

Other Information

Other Information:N/P

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