

# 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 (MFR)

**OSHA PEL:**  
NOT APPLICABLE  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT APPLICABLE  
**Code:**  
M

**ACGIHSTEL:**  
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.H\*2O 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 & IGNI T SOURCES AT LOCATIONS DISTANT FROM MATL HNDLG POINT. MATLS TO AVOID: AMTS OF PHOSGENE AND CHLORINE.

## Health Hazards Data

**LD50LC50Mixture:**  
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: PRLNGD/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 & H\*2O. REMOVE CONTAM CLTHG. LAUNDER CONTAM CLTHG BEFORE RE-USE. EYES: FLUSH W/LRG AMTS OF H\*2O 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:**  
SML 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:**

**Flash Point Text:**  
140F,60C

**Autoignition Temp:**

**Autoignition Temp Text:**  
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).H\*2O/FOAM MAY CAUSE FROTHING WHICH CAN BE VIOLENT & POSS ENDANGER LIFE OF FIREFIGHTER, ESPEC IF (SUPDAT)

**Unusual Fire/Explosion Hazard:**  
NEVER USE WELDING/CUTTING TORCH ON/NEAR DRUM(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 LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
405F,207C

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
0.30 @100F

**Vapor Density:**  
HVR/AIR

**Volatile Org Content %:**

**Spec Gravity:**  
0.890-0.910

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**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:**  
98

**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 RELS HCL &SML (SUPDAT)

**Hazardous Decomposition Products:**  
MAY FORM TOXIC MATERIALS: CO\*2 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