

<div><div><div><div><div><div></div><div>MATERIAL SAFETY DATA SHEET</div></div></div><div><div><div></div><div></div><div></div></div></div><div><div>For R&D use only. Not for drug, household or other uses.</div></div></div></div></div>	
Click http://www.lookchem.com/cas-415/4151-51-3.html for suppliers of this product.	
Composition/Information on Ingredient	
Cas: 4151-51-3	
Code: M	
RTECS:	
Code: X	
Name: TRIS (4-ISOCYANAHENYL) THIOPHOSPHATE (TT)	
Other REC Limits: NONE SPECIFIED	
OSHA PEL: NOT ESTABLISHED	
Code: M	
OSHA STEL:	
Code:	
ACGIH TLV: NOT ESTABLISHED	
Code: M N/P	
ACGIHSTEL: EPA Rpt Qty: DOT Rpt Qty: Ozone Depleting Chem	
Code: 1 ACGIH STEL:	
Control Measures	
Respiratory Protection: SUPPLIED AIR RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS.	
Ventilation: PROVIDE LOCAL EXHAUST. SHOULD BE USED TO MAINTAIN LEVELS BELOW EXPOSURE LIMITS OR GUIDELINES.	
Protective Gloves: CHEMICAL RESISTANT GLOVES 3	
Eye Protection: GOGGLES RECOMM WHEN CONTACT POSSIBLE	
Other Protective Equipment: Equipment CHEM RESISTANT CLOTHING RECOMMENDED WHEN PHYSICAL CONTACT POSSIBLE. SAFETY SHOWER &EYEWASH STATION SHOULD BE AVAILABLE.	
Work Hygienic Practices: A SAFETY SHOWER AND EYEWASH STATION SHOULD BE AVAILABLE. IN EVENT CONCENTRATIONS MEET/EXCEED TLVS, USE RESP PROTECTION.	
Supplemental Safety and Health: N/K	
Health Hazards Data	
LD50LC50Mixture: N/K	
Route Of Entry Inds - Inhalation: YES	
Skin: YES	
Ingestion: YES	
Carcinogenicity Inds - NTP: YES	
IARC: YES	
OSHA: NO	
Health Hazards Acute And Chronic: NONE UNDER NORMAL CONDITIONS. INHAL:IRRITANT, NARCOTIC & NEUROTOXIN. SKIN:IRRITANT. IRRIT, SCALING, CRACKING, REDDENING, SWELLING, RASH, BLISTERING. CURED MAT'L DIFFICULT TO REMOVE. EYE:IRRITANT, TEAR ING, REDDENING, SWELLING. INGEST:IRRIT,INTERNAL CORROSIVE ACTION (SORE THROAT, ABDOM PAIN, NAUSEA, VOMITING, DIARRHEA.	
Explanation Of Carcinogenicity: MC CLASSIFIED AS ANTICIPATED HUMAN CARCINOGEN BY NTP. MC IS LISTED IN VOL 41 AS CATEGORY 2B (IARC).	
Signs And Symptions Of Overexposure: N/K	
Medical Cond Aggravated By Exposure: N/K	
First Aid: 2 INHAL:REMOVE TO FRESH AIR IMMED. IF BREATH SPED, GIVE ARTIF RESP. GET MED AID IMMED. SKIN:REMOVE CONTAM CLOTH IMMED. WASH AREA W/SOAP OR MILD DETERGNT & LRG AMT WATER. GET MED AID IMMED. EYE:WASH E YES IMMED W/LRG AMT WATER OR NORMAL SALINE, LIFTING EYELIDS. GET MED AID IMMED. INGEST:PREVENT ASPIRATION. MAINTAIN AIRWAY, BP, RESPRTN. GET MED AID IMMED. QUALIFIED MED PERSONNEL MUST GIVE TREATMENT.	
Spill Release Procedures: TAKE UP WITH INERT ABSORBENT AND PLACE IN CONTAINER FOR LATER DISPOSAL.	
Neutralizing Agent: N/K	
Waste Disposal Methods: DISPOSAL MUST BE IN ACCORDANCE WITH STANDARDS APPLICABLE TO GENERATORS OF HAZARDOUS WASTE. CONTACT LICENSED CHEMICAL WASTE DISPOSAL AGENCY.	
Handling And Storage Precautions: KEEP CONTAINER TIGHTLY CLOSED AND AWAY FROM HEAT AND IGNITION SOURCES, AND DO NOT SMOKE.	
Other Precautions: WATER POLLUTING LIQUID. THE MATERIAL MUST NOT FLOW INTO WASTE WATER OR SURFACE WATERS.	
Fire and Explosion Hazard Information	
Flash Point Method: N/P	
Flash Point:	
Flash Point Text: NONE	
Autoignition Temp:	
Autoignition Temp Text: N/K	
Lower Limits: N/K	
Upper Limits: N/K	
Extinguishing Media: DRY CHEMICAL; CARBON DIOXIDE, FOAM, WATER	
Fire Fighting Procedures: COOL FIRE EXPOSED CONTAINERS WITH WATER WATER SPRAY.	
Unusual Fire/Explosion Hazard: NONE	
Physical/Chemical Properties	
HCC: T4	
NRC/State LIC No: N/K	
Net Prop WT For Ammo:	
Boiling Point:	
B.P. Text: N/K	
Melt/Freeze Pt:	
M.P/F.P Text: N/K	
Decomp Temp:	
Decomp Text: N/K	
Vapor Pres: N/K	
Vapor Density: N/K	
Volatile Org Content %:	
Spec Gravity: 1.32 G/CM3 @23C	
VOC Pounds/Gallon:	
PH: N/K	
VOC Grams/Liter:	
Viscosity: N/K	
Evaporation Rate & Reference: 80 (BU AC=1)	
Solubility in Water: REACT SLOWLY W/WATER	
Appearance and Odor: YELLOWISH LIQUID TO BROWNISH LIQUID WITH ODOR OF SOLVENTS.	
Percent Volatiles by Volume: N/K	
Corrosion Rate: N/K	
Reactivity Data	
Stability Indicator: YES	
Stability Condition To Avoid: AVOID TEMPERATURES ABOVE 40C., OPEN FLAMES AND WELDING AREAS WHICH CAN CAUSE THERMAL DEGRADATION.	
Materials To Avoid: WATER,AMINES,ALCOHOL,ACID,&ALKALI.MC REACTS VIOLENTLY W/UNPROTECTED ALUMINUM &ZINC SURFACES,SODIUM,POTSSIUM,MAGNESIUM.	
Hazardous Decomposition Products: BY HIGH HEAT &FIRE: CO, NOX, POX, SOX, HCL AND SMALL AMOUNTS OF PHOSGENE AND CHLORINE.	
Hazardous Polymerization Indicator: NO	
Conditions To Avoid Polymerization: AVOID TEMPERATURES ABOVE 40C.	
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	