

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-130/1306-25-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
1306-25-8  
**Code:**  
M

**RTECS:**  
EV3330000  
**Code:**  
M

**Name:**  
CADMIUM TELLURIDE 1

**Other REC Limits:**  
N/K

**OSHA PEL:**  
0.2 MG/CUM  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
0.05 MG/CUM  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
WEAR NIOSH/MSHA APPROVED HIGH EFFICIENCY PARTICULATE RESPIRATOR FOR ORDINARY USE.

**Ventilation:**  
LOCAL EXHAUST: FUMEHOOD. WEAR GLOVE BAG OR BOX W/DRY INERT ATMOSPHERE.

**Protective Gloves:**  
RUBBER

**Eye Protection:**  
CHEMICAL SAFETY GOGGLES

**Other Protective Equipment:**  
Equipment FLAME/CHEMICAL RESISTANT COVERALLS/LABORATORY COAT/APRONEYE WASH FOUNTAIN/HAT/BOOTS/SAFETY DRENCH SHOWER FACILITIES

**Work Hygienic Practices:**  
WASH THOROUGHLY AFTER HANDLING. REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
PROLONGED EXPOSURE TO MOIST AIR CAUSES OXIDATION.

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INHALATION: RESPIRATORY TOXICITY & MUCOUS MEMBRANE IRRITATION. EYES: IRRITATION. INGESTION: TOXIC. SKIN: IRRITATION & BURNS.

**Explanation Of Carcinogenicity:**  
CADMIUM TELLURIDE IS A SUSPECTED A2 CARCINOGEN.

**Signs And Symptions Of Overexposure:**  
INHALATION: RESPIRATORY TOXICITY & MUCOUS MEMBRANE IRRITATION. EYES: IRRITATION. INGESTION: TOXIC. SKIN: IRRITATION & BURNS.

**Medical Cond Aggravated By Exposure:**  
N/K

**First Aid:**  
INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH W/COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINS. SKIN: BRUSH OFF MATERIAL & FLUSH W/WATER. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
WEAR PROTECTIVE CLOTHING. COVER SPILL W/DRY SAND OR DOLOMITE. TRANSFER TO PROPERLY MARKED METAL CONTAINER. CLOSE CONTAINER & SUBMIT OR RETAIN FOR DISPOSAL. WASH SPILL AREA W/SOAP & WATER.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
CONSULT LOCAL, STATE, & FEDERAL REGULATIONS FOR PROPER DISPOSAL. FLAMMABLE.

**Handling And Storage Precautions:**  
AVOID INHALATION & INGESTION. AVOID CONTACT W/EYES & SKIN. KEEP AWAY FROM HEAT, SPARKS, & OPEN FLAME. KEEP CONTAINER TIGHTLY CLOSED.

**Other Precautions:**  
STORE IN A COOL DRY PLACE AWAY FROM ACIDS. USE ADEQUATE VENTILATION. 2

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/K

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
DRY SAND, DRY GROUND DOLOMITE, DRY CHEMICAL EXTINGUISHING AGENTS, OR CO2. DON'T USE WATER.

**Fire Fighting Procedures:**  
WEAR NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS & FLAME/CHEMICAL RESISTANT PROTECTIVE CLOTHING. IF SAFE, MOVE MATERIAL OUT OF FIRE AREA.

**Unusual Fire/Explosion Hazard:**  
FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME. FLAMMABLE.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/K 3

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
1905.8F

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
>1

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
INSOLUBLE

**Appearance and Odor:**  
BLACK, CUBIC CRYSTALS, ODORLESS.

**Percent Volatiles by Volume:**  
N/R

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEAT, OPEN FLAME, MOISTURE, &SPARKS

**Materials To Avoid:**  
ACIDS &ACID FUMES

**Hazardous Decomposition Products:**  
HYDROGEN TELLURIDE &TELLURIUM COMPOUNDS

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/R

## 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