

MATERIAL SAFETY DATA SHEET

This form may be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.
IDENTITY (As Used on Label and List): **Copper telluride CuTe, powder and pieces**
Product Code: **C-MSDS0198** Reference #: **12019-23-7**

SECTION I - PRODUCT IDENTIFICATION Copper telluride CuTe, powder and pieces

MANUFACTURER NAME AND ADDRESS:

ProChem, Inc.
826 Roosevelt Rd.
Rockford IL 61109

TELEPHONE NUMBERS:

CHEMTREC (800)424-9300
ProChem, Inc. (800) 795-8788
Local Poison/Emrgncy () - 911

DATES:

Date Created: 01/07/1991
Revision: 11/30/1999
Printed: 01/28/2004

SYNONYMS

Copper telluride; copper monotelluride

CHEMICAL FAMILY: Metal telluride

DOT HAZARD LABEL: No data.

FORMULA: CuTe

MOLECULAR WEIGHT: 186.53

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION Copper telluride CuTe, powder and pieces

HAZARDOUS COMPONENTS (CHEMICAL NAME)

<u>NAME:</u>	Copper telluride	<u>PERCENTAGE:</u>	0.0 - 100.0 %
<u>CAS #:</u>	12019-23-7	<u>ACGIH TLV:</u>	1 mg/m3
<u>OSHA PEL:</u>	1 mg/m3	<u>SEC.304 RO:</u>	Yes 1 LB**
<u>OTHER LIMITS:</u>	NE		
<u>SEC.302 (EHS):</u>	No		
<u>SEC.313:</u>	Yes		

<u>NAME:</u>	Tellurium compounds	<u>PERCENTAGE:</u>	0.0 - 100.0 %
<u>CAS #:</u>	NA	<u>ACGIH TLV:</u>	0.1 mg/m3
<u>OSHA PEL:</u>	0.1 mg/m3	<u>SEC.304 RO:</u>	Yes 1 LB**
<u>OTHER LIMITS:</u>	NE		
<u>SEC.302 (EHS):</u>	No		
<u>SEC.313:</u>	Yes		

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS Copper telluride CuTe, powder and pieces

PHYSICAL STATES: Gas , Liquid , Solid
BOILING POINT: N.A.
MELTING POINT: N.A.
SPECIFIC GRAVITY (WATER = 1): NE
DENSITY: No data.
VAPOR PRESSURE (VS. AIR OR MM HG): NE
VAPOR DENSITY (VS. AIR = 1): NA
EVAPORATION RATE (VS BUTYL ACETATE=1): NA
SOLUBILITY IN WATER: NE
PERCENT VOLATILE: N.A.
PH: No data.
APPEARANCE AND ODOR

Greyish-black powder and pieces, no odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
Copper telluride CuTe, powder and pieces

FLASH PT: N.A. **METHOD USED:** NON-FLAMMABLE
EXPLOSIVE LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA

USE: Not applicable. Use suitable extinguishing media for surrounding materials and type of fire.

SPECIAL FIRE FIGHTING PROCEDURES

Firefighters must wear full face, self-contained breathing apparatus with full protective clothing to prevent contact with skin and eyes. Fumes from fire are hazardous. Isolate runoff to prevent environmental pollution.

UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated to decomposition or on contact with acid or acid fumes, copper telluride may emit toxic fumes.

SECTION V - REACTIVITY DATA
Copper telluride CuTe, powder and pieces

STABILITY: Unstable Stable
CONDITIONS TO AVOID - INSTABILITY

None

INCOMPATIBILITY - MATERIALS TO AVOID

Acids and acid fumes

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

None recorded

HAZARDOUS POLYMERIZATION: Will occur Will not occur
CONDITIONS TO AVOID - HAZARDOUS POLYMERIZATION