E0217

Oak Ridge National Laboratory Oak Ridge, Tennessee 37831

IBO-MSDS-02140

OF

MATERIAL SAFETY DATA SHEET

The issuance of this document complies with the U. S. Department of Labor, Occupational Safety and Health Administration's

(OSHA) Hazard	Communication	Standard 29 CFR 1910.1200.	. Standard must be consulted	for specific require	ements.	
<u>Definitions</u> :	NIOSH 1 NE 1 NA 1	American Conference of Gove National Institute for Occupat Not Established Not Applicable Fime Weighted Average	ional Safety and Health NISS Not In Source TLV Threshold L	ces Searched	MISDS CURRENT AS O	
IDENT	TTY (As used o	n label and list): Telluriur	m (-120, -122, -123, -124, -12	5, -126, -128, -130		
		SECTION I. Man	ufacturer's Identification			
Manufacturer's N	ame:			Telephone Number		
UT-Bat	ttelle			Lab Shift Superintendent (865) 574-6606 <u>Telephone Number for Assistance:</u>		
Isotope	Ridge Nationa Business Office	ll Laboratory e			ice (865) 574-6984	
	ox 2008 dge, Tennessee	37831	<u>Date Prepa</u> <u>Date Revie</u>			
		SECTION II. Hazardous	Ingredients/Identity Inform	ation		
Exposure Limits: OSHA: ACGIH TLV: NIOSH: Immediately Dangerous to Life and Health:			TWA 0.1 mg(Te)/m ³ TWA 0.1 mg(Te)/m ³ (1989-90) NE NE			
Chemical Formula	: Te	to Ene and Hearm.	CAS Registry Number:	013494-80-9		
		treme health hazard ghtly flammable nreactive	RTECS Number: DOT Class: DOT Label: DOT Number:	WY2625000 6.1, Poisonor Poison UN 3288		
		SECTION III. Physics	al/Chemical Characteristics			
Physical Description		Silvery-white me	etal or dark powder, odorless,	burns in air with g	reenish-blue flame	
Molecular Weight Melting Point: Boiling Point: Specific Gravity:	(naturally occur	<u>1111g</u> : 127.61 449.5°C 989.8°C @ 760 mm Hg	Vapor Pressure: Vapor Density:	1 mm Hg @ : NISS		
Evaporation Rate:		6.24 (water =1) NISS	Percent Volatiles: Solubility:	NISS Insoluble in v	vater.	
		SECTION IV. Fire at	nd Explosion Hazard Data			
Flash Point (metho Autoignition Temp Extinguishing Med Firefighting Proced	erature: NIS ia: Dry lures: Fire ma	SS SS v chemical, soda ash, sand, car efighting techniques should co terials. Wear pressure-demand	Lower Flammability Lim Upper Flammability Lim rbon dioxide, alcohol foam, woncentrate on controlling the	it: NISS vater spray.	other combustible efighting protective	
Fire and Explosion	CIO	thing. wder is flammable and may rea			,	
		SECTION V.	Reactivity Data			
Stability: Conditions to Avoid Incompatibility (ma Hazardous Decomp	terials to avoid)	Unstable: Heating and ignit Sodium, zinc and chlorine trifluoric	Stable: X tion sources. I selenium, phosphorus and lide, chlorine, silver bromate, o	thium silicide. fluo	rine, antimony and	
Hazardous Decomposition or Byproducts: Hazardous Polymerization:		ducts: Toxic fumes of te May Occur: _	ellurium Will Not Occur:	X		

	SECTION VI. Health Haza	rd Data				
Routes of Entry:	Inhalation: X	Skin:	Ingestion: X			
Signs and Symptoms of Exposure:			-			
Acute Inhalation:	Fumes or dust can cause malaise, loss of sweat function, nausea, dizziness, epigastric distress, anorexia, garlic odor on breath.					
Acute Swallowing:	Causes nausea, vomiting, dro		on breath.			
Acute Skin Contact:	Irritant.	, 8				
Acute Eye Contact:	Irritant.					
Chronic:		Inhalation of fumes or dust can cause loss of sweat function, dizziness and anorexia, garlic odor on breath.				
Health Hazards (Target organs/systems):	C					
Acute:	respiratory system, skin (cutar (blood forming).	xin), peripheral nerv neous hazard), urina	igestive system, eyes, kidneys yous system, reproductive system, rry system, hematopoietic system			
Chronic:	Central nervous system, diges	tive system.				
Emergency and First Aid Procedures:						
Inhalation:			if not breathing. Get medical aid			
Swallowing:		Induce vomiting if patient is conscious. Get medical aid.				
Skin contact:	Remove contaminated clothing and immediately wash skin with plenty of water.					
Eye contact:	Flush eyes at once with water					
Physicians' notes:	No known antidote, do not us	e BAL, it enhances	toxicity.			
Carcinogenicity: NTP No	IARC Monograph	hs <u>No</u>	OSHA Regulated No			
Medical Conditions Generally Aggravated by	y Exposure: NISS					
SECTI	ON VII. Precautions for Safe I	landling and Use				
Steps to be Taken in Case Material is Release	ed or Spilled: Notify safety person	onnel of leaks or spi	lls. Remove spills by vacuuming			
or wet sweeping in order to keep ai	rborne dust at a minimum.	•				
Waste Disposal Method: Collect in an approp	priate container for salvage or dis	posal. Treat unsalva	ageable waste as a toxic solid in			
accordance with federal, state, and						
Precautions to be Taken in Handling and Sto	ring: Store in closed container in	a cool, dry, well-ver	ntilated, low fire-risk area. Protec			
container from physical damage.						
Other Precautions: Avoid breathing dust. Av	oid skin and eye contact. Eyewa	sh stations and wash	ning facilities should be accessible			
to areas of use.	CT CTV CV					
Parairatam Protestion (anaifutura)	SECTION VIII. Control Mo					
Respiratory Protection (specify type): Ventilation:	Ose a NIOSH-approved mor	ganic dust respirator	when dust levels exceed the PEL			
<u>Local Exhaust</u> :	Employ to keep dust helevy t	ho TI V lovele				
Mechanical (general):	Employ to keep dust below to Employ to keep dust below to					
Special:	NISS	ie i L v ieveis.				
Other:	NISS					
Protective Gloves:	Compatible chemical resistar	nt gloves				
Eye Protection:	Wear approved chemical safe					
Other Protective Clothing or Equipment:	Wear protective clothing.	ry goggies/glasses.				
Work/Hygienic Practices:	Wash thoroughly after handli	ina				
	Tuon moroughly alter hallen	.,5.				

DISCLAIMER

The information and opinions presented herein are based on data believed to be accurate and current as of the date of this Material Safety Data Sheet. Oak Ridge National Laboratory and the U.S. Department of Energy make no warranty or representation, express or implied, as to the accuracy or completeness of the foregoing data and safety information. The information in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to the use in combination with any other material or in any process. Oak Ridge National Laboratory and the U.S. Department of Energy assume no responsibility for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the material. It is the user's obligation to determine the conditions of safe use of this material. Actual conditions of use and handling of this material may require considerations of information other than, or in addition to, that which is provided herein.