

SAFETY DATA SHEET

	1.1					,	1 1		Date	Accesse	d: 25/08	/2023
	н н Н		н н Н				н н н		Dat	e Revise	d: 28/01	/2023
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SE	CTION	1. ID	ENT	IFICA	TION							
												. 1
	uct Name #: 13494-											
CAS	#: 13494-	80-9			I		1	1	1	1	1	
Relev	vantiden	tified us	ses of t	he subsi	ance: S	Scienti	fic resea	rch and	develo	opment		1
Supp	olier detai	ls:										
1.1	ord Advar											
	il: sales@											
	949) 407-											
Addre	ess: 2366	1 Birtche	er Dr., L	ake Fore	est, CA S	92630 l	J.S.A.		:			:
~-	OTION											
SE	CTION	2. H/	AZAH	KDS II	JENI	IFIC		N	. '		ı	. '
Class	sification c	of the sul	bstance	or mixtu	re		1 - 1 1					
	sification a						2008					
GHS	06 Skull a	nd cross	sbones				1		1.			
			0001100									1
Acute	Tox 3 H			allowed								
. 1	e Tox. 3 H			allowed.	:		н 1 — 1	; · ·		с. 1. т.		
GHS	07	301 Tox	kic if swa									
GHS(Acute	07 e Tox. 4 H	301 Tox 332 Har	tic if swa	nhaled.								
GHS(Acute	07	301 Tox 332 Har	tic if swa	nhaled.		1 1 1			1 - 1 1		arr Dh	
GHS(Acute Haza	07 e Tox. 4 H	301 Tox 332 Har herwise	tic if swa	nhaled.		1 1 1			1 - 1 1		arr Dh	
GHS(Acute Haza No da	07 e Tox. 4 H rds not ot	301 Tox 332 Har herwise ble	tic if swa mful if i classifie	nhaled. ed	2 ⁴				: 1 4.		:" 2' 	
GHS(Acute Haza No da Label	07 e Tox. 4 H rds not ot ata availal	301 Tox 332 Har herwise ble	tic if swa mful if i classifie	nhaled. ed								

			. '							
The substance is classified a	and labeled	accord	ling to t	he CLP	regulatio	n.				
Hazard pictograms										
GHS06										
Signal word: Danger										
Hazard statements										
H301 Toxic if swallowed.H33	32 Harmful	if inhale	ed.							
Precautionary statements										
P261 Avoid breathing dust/fu									1.	
P264 Wash thoroughly after	handling.				; • •					,
P304+P340 IF INHALED: Re	emove victi									
breathing.	1 - 1 1	. · · ·				· · ·				
P321 Specific treatment (see	e on this lab	el),, ,	1			1				
P405 Store locked up.										
P501 Dispose of contents/co	ntainer in a	accorda	nce wit	h local/r	egional/n	ational	/internati	onal		
regulations.										
WHMIS classification		. '								
D1A - Very toxic material cau	using imme	diate a	nd serie	ous toxic	effects	1				,
Classification system										
HMIS ratings (scale 0-4)		1 1 1			111			:**		
(Hazardous Materials Identifi	ication Syst	tem)								
Health (acute effects) = 1	,									
Flammability = 0	1 I			1 I 1						
Physical Hazard = 0										
Other hazards					111			:**		
Results of PBT and vPvB as	sessment									
PBT: N/A						1				
vPvB: N/A										
			. '		1					

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

		. '		,	. '	 1	. '		. '	
Substances	1	1 1 1			н н 1					
CAS No. / Sub	stance I	Vame:								
13494-80-9 Te	llurium	1	н н н		1	 	1	 	÷.,	
Identification n	umber(s	s):								
EC number:	111		н 1			 				
236-813-4					1 I	 $\mathcal{A}^{(1)}$	1 - 1 1		1 - 1 1	

SECTION 4. FIRST AID MEASURES

Description of first aid measures General information Immediately remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest provide artificial respiration. If inhaled: Supply patient with fresh air. If not breathing, provide artificial respiration. Keep patient warm. Seek immediate medical advice. In case of skin contact: Immediately wash with soap and water; rinse thoroughly. Seek immediate medical advice. In case of eye contact: Rinse opened eye for several minutes under running water. Consult a physician. If swallowed: Do not induce vomiting; immediately call for medical help. Information for doctor Most important symptoms and effects, both acute and delayed No data available Indication of any immediate medical attention and special treatment needed No data available

SECTION 5. FIREFIGHTING MEASURES

			. '	1 I					. '	
Extinguishing media	на на н									
Suitable extinguishing ag	ents									
Special powder for metal	fires. Do not u	se wate	er.	1		1			1	
For safety reasons unsuit	-									
Water						. * *				
Special hazards arising fr	rom the substa	nce or I	mixture	;						
If this product is involved		-								
Metal oxide fume			· .			· .				
Hydrogen telluride										
Advice for firefighters										
Protective equipment:	· · · · ·			1 - 1 1			н н Н			
Wear self-contained resp	irator.		1			1			1	
Wear fully protective impe	ervious suit.									
			, ' [']							
					- • •					
SECTION 6. AC	CIDENIA		:LEA		:ASI	JKES				
Personal precautions, pro	otective equipm	nentian	d emer	gency pro	cedure	S			1	
Use personal protective e	equipment. Kee	ep unpro	otectec	l persons a	away.					
Ensure adequate ventilat	ion			н 1 - 1			н 1 — 1	111		
Environmental precaution	ns:									
Do not allow material to b	be released to t	he envi	ironme	nt without	official	permits	i.			
Do not allow product to e	nter drains, sev	wage sy	ystems	, or other v	water c	ourses.				
Do not allow material to p	-									
Methods and materials fo	or containment						н н н	111		
Dispose of contaminated	material as wa	iste acc	cording	to section	13.					
Prevention of secondary										
No special measures req			1			1	· · ·			
	uired.								:.	
No special measures req	uired. ons								:.	

See Section 13 for disposal inform	nation.		1 - 1 1			н н н		
			1 - 1 1			1 I		1
SECTION 7. HANDLIN	NG ANE) STO	RAGE	Ξ				
Handling			н 1 - 1				:**	
Precautions for safe handling	·	н н н			н н н	н н н		
Keep container tightly sealed. Store in cool, dry place in tightly c	losed conta				÷.			:
Ensure good ventilation at the wor	rkplace.							
Information about protection agair	nst explosic	ons and fi	res:					
No data available	·		н н Н					
Conditions for safe storage, incluc	ling any inc	compatibi	lities					
Requirements to be met by storer	ooms and r	eceptacl	es:					
No special requirements.				: "			:**	
Information about storage in one o	common sto	orage fac	ility:Do no	ot store	togethe	er with ac	ids.	
Store away from strong bases.	·							
Reacts with certain metals.					1			1
Store away from halogens.								
Do not store with interhalogens.				111		н 1 — 1		
Store away from oxidizing agents.	•							
Further information about storage	conditions	:						
Keep container tightly sealed.								
Store in cool, dry conditions in we								
Specific end use(s)			н 1 — 1	1.1			111	
No data available								

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

			, '						. '	
Properly operating chen	nical fume hood	design	ed for I	hazardou	s chemi	cals an	d ,			
having an average face										
Control parameters			÷.,						1	
Components with limit v										
13494-80-9 Tellurium (1	00.0%)									
PEL (USA) Long-term v	alue: 0.1 mg/m									:
3 as Te			1	1 - 1 1		1	1 I		1	
REL (USA) Long-term v 3	alue: 0.1 mg/m	:**					н 1 - 1			
as Te	· · · · · ·		1 1	1 - 1 1		1 I 1				
TLV (USA) Long-term v	alue: 0.1 mg/m		1			1			1	
3										
				н 1. т.			н 1 - 1	111		
EL (Canada) Long-term 3	value: 0.1 mg/n			н н Н						
EV (Canada) Long-term	i value: 0.1 mg/n	n ···	1	· · ·			1 - 1 1		1	
3										
as tellurium				1 1 1			н 1 — 1			
No data	н н н. н. н									
Exposure controls				1 - 1 1						
Personal protective equ	ipment									
Follow typical protective	and hygienic pr	actices	s for ha	ndling ch	emicals.		н 1 - 1	111		
Keep away from foodstu	uffs, beverages a	and fee	ed.							
Remove all soiled and c	contaminated clo	thing i	mmedia	ately.						
Wash hands before bre	aks and at the e	nd of w	vork.							
Maintain an ergonomica Breathing equipment:	ally appropriate v	–			:		н 1 - 1			
U										

Protection of hands:										
Impervious gloves										
Inspect gloves prior to	o use.						1			1
Suitability of gloves sl										-
by		н н н			1 1 - 1			н 1 — 1		
manufacturer.										
Penetration time of gl	ove mat	erial (in r	ninutes)							
No data available				1			1			1
Eye protection:										
Safety glasses			111			111			111	
Body protection:										
Protective work clothi	ng.	· · ·		1	· · ·		1			

SECTION 9. PHYSIC					_		_	1 1 1 1	
Information on basic physical a	ind chemic	cal prop	erties	н н н		1 1 1	н н н		
Appearance:			1	· · ·		1			
Form: Solid in various forms									
Color: Silvery-white		: • •			; • •			:	
Odor: Odorless									
Odor threshold: No data availa	ble.						1 - 1 1		
pH: N/A			1						
Melting point/Melting range: 44	9.5 °C (84	1 °F)							
Boiling point/Boiling range: 989	9.8 °C (18′	14 [°] °F)						: ' '	
Sublimation temperature / start	:: No data	availabl	e						
Flammability (solid, gas)									
No data available.									
Ignition temperature: No data a	available								
Decomposition temperature: N	o data ava	ailable						: ' '	
Autoignition: No data available									

			, , ,			1 1 1	. '				
Danger of explosion: No	data av	vailable.									
Explosion limits:											
Lower: No data available	Э									÷.,	
Upper: No data available				1							
Vapor pressure: N/A	. '		ı	, '	1 I		.'	1 I	ı	.'	
Density at 20 °C (68 °F)	: 6.24 g/	/cm			1 I			н н н		н н н	
3 (52.073 lbs/gal)	1,	1 I		1			÷.			1	
Relative density No data available.			:			; · ·			:"		
Vapor density				н н Н	н н н						
N/A Evaporation rate	1,	1 - 1 - 1					÷.				
N/A											
Solubility in Water (H 2	: .	: 1									
O): Insoluble	÷.	· · ·		1	· · ·					1	
Partition coefficient (n-od	ctanol/w	/ater): No	data a	vailable) .						
Viscosity:			1 1 1 1								
Dynamic: N/A Kinematic: N/A	1 - 1 1	н н н		1 I	1 - 1 1						
Other information	1			1	· · ·			1 - 1 		÷.,	·
No data available		н 1 - 1					.'				,
											,
SECTION 10. S	TARI			REA	CTIVI	ГУ	· · ·			· · ·	
Reactivity							÷.,				,

No data available

Chemical stability

Stable under recommended storage conditions.

		1 I			1 1	1					
Thermal decomposition	/ cond	itions to b	oe avoid	ded:							
Decomposition will not o	occur if	used and	d stored	d accor	ding to s	pecificati	ons.				
Possibility of hazardous	reactio	ons									
Reacts with certain meta											
Conditions to avoid											
No data available		1 I			1 - 1 1			1 - 1 1		н н 1	
Incompatible materials:	;	1 1			1 1					;	
AcidsBases	ı	,		,	,		,			i.	
Halogens						:**					
Interhalogens											
Oxidizing agents											
Hazardous decomposition	on prod	ducts:								1	
Metal oxide fume											
Hydrogen telluride		1 1 - 1	:**								
	1 I	1 - 1 1		н н н	1 1 1			1 I		: · · :	
SECTION 11. T	OXIC	COLO	GIC		FOR		DN	н н н			
Information on toxicolog	ical eff	ects									
Acute toxicity:		1 1 1			н 1 - 1						
Toxic if swallowed.											
The Registry of Toxic Ef	fects o	f Chemic	al Sub	stances	(RTECS	6) contai	ns acut	e toxicity	data for		
components in this prod	uct.	1 1			1 - 1 1					1	
LD/LC50 values that are	e releva	ant for cla	assificat	tion:							
Oral LD50 83 mg/kg (rat	t)	н 1 - 1			н 1 - 1	;**		н 1. т.	111		
Inhalative LC50/4H >24	20 mg/	m3/4H (r	at)								
Skin irritation or corrosic	on:										
No irritant effect.	' .	I.		· .	,		· ·	i.		۰.	
Eye irritation or corrosio	n:										
May cause irritation	. '	1 1 - 1	ı	. '	1 - 1	,	.'		·	.'	
Sensitization:		1 I			1 1 1						

		1 1		1				1 1		
No sensitizing effects ki	nown.			1 I 1			1 - 1 1			
Germ cell mutagenicity:										
No effects known.	÷.,									1
Carcinogenicity:										
										,
NTP, OSHA or ACGIH.	 	н н н		1 I 1	н н н					
Reproductive toxicity:				1						
No effects known.				· .			· .			
Specific target organ sy	stem to	xicity - rep	eated e	exposu	re:					
No effects known.		1 1		i ^è	1 1			1 I		
Specific target organ sy	stem to	xicity - sin	gle exp	osure:	н н н					
No effects known.	:			:			1			
Aspiration hazard:										
No effects known.						: • •				
The Registry of Toxic E	ffects o	f Chemica	I Subst	ances	(RTECS) o	contain	s multip	ole dose to	oxicity d	ata
for	1	1 I		1	· · ·					Ξ.
this substance.										
Additional toxicological	informa	tion:	; • •		1 1 1	: • •				
To the best of our know	ledge th	ne acute a	nd chro	onic tox	icity of this	s substa	ance is	not fully k	known.	
The Registry of Toxic E	ffects o	f Chemica	I Subst	ances	(RTECS) o	contain	s repro	ductive ar	nd/or	1
mutation		1 I 1		1	1 I			1 - 1 1		Ξ.
lo effects known. carcinogenicity: lo classification data on carcinogenic properties of this material is available from the EPA, IARC, ITP, OSHA or ACGIH. teproductive toxicity: lo effects known. pecific target organ system toxicity - repeated exposure: lo effects known. pecific target organ system toxicity - single exposure: lo effects known. spiration hazard: lo effects known. ubacute to chronic toxicity: he Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data or his substance. dditional toxicological information: o the best of our knowledge the acute and chronic toxicity of this substance is not fully known. he Registry of Toxic Effects of Chemical Substances (RTECS) contains reproductive and/or										
		н н н								. * *
SECTION 12. E	COL	UGICA	AL IN	FOF		JN				

Toxicity

Aquatic toxicity:

No data available

Persistence and degradabilityNo data available

Bioaccumulative potentia	al	н н н			1 - 1 1			н н 1		н н н
No data available										
Mobility in soil	1									1
No data available Additional ecological info			;**			111			:	
Do not allow material to	be rele	eased to t	he envi	ironme	nt without	t official	permits	S. (
									, or sewa	age
systems.	· ,			· .			۰,			· ,
Avoid transfer into the en	nvironr	nent.			:					
Results of PBT and vPvl	B asse	ssment								
PBT:	1 I 1	н н н		1 I 1	н н н		н н н	н н Н		1
N/A	1						1			
vPvB:										
N/A								1.		
Other adverse effects										
Mobility in soil No data available Additional ecological information: Do not allow material to be released to the environment without official permits. Do not allow undiluted product or large quantities to reach groundwater, water courses, or sewage systems. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: N/A vPvB:										
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SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods						
Recommendation						
Consult official regulations to ensure proper disposal.			1			
Uncleaned packagings: Recommendation:	,	, , , , ,	, ' , '	н 1 - 1	 	
Disposal must be made according to official regulations.	н н н		н н н	1 - 1 1		

SECTION 14. TRANSPORT INFORMATION

UN-Number DOT, ADN, IMDG, IATA

	8 8 8			111	. '		1 1 1			1 1 1		
N/A			1 I		· · ·			· · ·			1 I 1	
UN proper shi												
DOT, ADN, IM	IDG, IATA	х. Х				1					1	
N/A												
Transport haz	ard class(es)				н 1 - 1						
DOT, ADR, AI					н н 1	н н н		н н 1				
Class N/A		Ξ.						÷.,	1 I 1		÷.,	
Packing group)											
DOT, IMDG, I						1 1						
N/A						н н н		н н 1				
Environmental	l hazards:	1										
N/A												
Special precau	utions for	user										
N/A												
Transport in b	ulk accord	ling to	Annex			/78 and					1	
N/A		1.									1	
Transport/Add	litional info	ormatio	on:									
DOT	: · · ·					н 1. т.			:	111		
Marine Polluta	int (DOT):	No	1 I	A		1 - 1 1	d.	1 - 1 1		d.	н н н	

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture National regulations

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

All components of this product are listed on the Canadian Domestic Substances List (DSL). SARA Section 313 (specific toxic chemical listings)

Substance is not listed.

California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. **REACH - Pre-registered substances** Substance is listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the

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. '	prope	rties of	the produc	ct.	н н н	, ,	1 - 1 1	н н Н		1 - 1 1			н н н	
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