

# SAFETY DATA SHEET

		:**		.1						Accesse		
	· · ·			1 - 1 1	1 1 - 1	1	1 - 1 - 1		Dat	e Revise	ed: 16/11	/2022
	1											
SEC	CTION	1. ID	ENT	IFICA								
Produ	uct Name			Strip	111		. ÷		1	. 1	111	
	#: 7439-9					н н н	1 - 1 1		н н н		: .	
Relev	vant ident	ified us	ses of t	the subs	stance: S	Scienti	fic resea	arch and	l develo	opment		
Supp	lier detai	ls:		ł			,			ł		
	ord Advar il: sales@			em (			.1	, , , , ,		.1	: * *	
Tel: (§	949) 407-	890,4										
Addre	ess: 2366	1 Birtche	er Dr., l	Lake For	est, CA 🤅	92630	U.S.A.					
SEC		2 H	Δ7Δ	RDSI		TIFIC		N :			1 1 1 1	
Class	ification o	f the su	bstance	e or mixt	ure							
Class	ification a	ccordin	g to Re	gulation	(EC) No	1272/2	2008			1		
The s	ubstance	is not c	lassifie	d as haz	ardous to	o healt	h or the e					
regula	ation.						.1					
Class	ification a											
			0									

Information concerning particular hazards for human and environment:

No data available

Hazards not otherwise classified

No data available

Label elements					1 I						
Labelling accord	-	-	tion (EC)	No 127	2/2008						
N/A									1		
Hazard pictograr											
N/A						.:				1.1	
Signal word		1 1 1	· · ·			н н н		н н н			 
N/A			· .			· .			· .		
Hazard statemer											
N/A	1 1 1 1					.:					 .:
WHMIS classification											
Classification sys	stem	1	1								 
HMIS ratings (sc	ale 0-4	4)	1			`:					
(Hazardous Mate	erials l	dentific	ation Sys	stem)							
HEALTH	; • •			; • •						111	
FIRE											 
REACTIVITY											
0,,						1			1		
0											
0, , , , , ,				111		.:	111	1 - 1 1		111	
Health (acute eff	ects) =	= 0,	1 I								 
Flammability = 0											
Physical Hazard	= 0										
Other hazards											
Results of PBT a	ind vP	vB ass	essment				111			1	
PBT: N/A		1 - 1 1	н н н		1 I 1			н н Н			
vPvB: N/A			1.								
						1					

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

		1		1				1 1 1	
CAS No. / Substance Name	):								
7439-98-7 Molybdenum									
Identification number(s):							1		
EC number: 231-107-2									
							.1		
SECTION 4. FIRS		MEAS	URE	S					
Description of first aid meas									
Conoral information									
No special measures require	ed.								
			1 I 1				1 - 1 1	: .	
Seek medical treatment in c	ase of con	nplaints.		1.					 ۰.
In case of skin contact:	,			,					
Generally the product does	not irritate	the skin.		:			:		 :
In case of eye contact:									
Rinse opened eye for sever				water. If s					
If symptoms persist consult	doctor.								
Information for doctor				.1	: • •		.1	; • •	 . :
Most important symptoms a	nd effects,	both ac	ute and	l delayed					
No data available							1		
Indication of any immediate	medical a	ttention a	and spe	ecial treat	ment ne	eded	1		 1
No data available									
			1 I		: • •				 :

## **SECTION 5. FIREFIGHTING MEASURES**

Extinguishing media

Suitable extinguishing agents

Special powder for metal fires. Do not use water.For safety reasons unsuitable extinguishing agents

Water

Special hazards arising		e substan	ice or m	nixture	1 I		 			,
If this product is involve	d in a fi	re, the foll	owing o	can be i	released:					
Molybdenum oxides	1.1.1	1			1		 1			1
Advice for firefighters Protective equipment:		.:	111		.÷	: • •	 3	:	· · ·	
No special measures re	equired.		1 1 - 1	1 I			1 I			

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective e								
Not required.	, , , ,							
Environmental precautions:			1					
Do not allow product to enter drain	ns, sewage	systems	, or other	water c	ourses.			
Do not allow material to penetrate	the ground	d or soil.		; • •		.) 1	111	
Methods and materials for contain	ment and	cleanup:						
Pick up mechanically.	· · ·							
Prevention of secondary hazards:								
No special measures required.								
Reference to other sections		1 - 1 1		; • •			111	
See Section 7 for information on s	afe handlir	ng						
See Section 8 for information on p	personal pro	otection e	quipment					
See Section 13 for disposal inform	nation.		1			1		
							:	
SECTION 7. HANDLIN		5310	RAGE					
Handling			· .					
Precautions for safe handling			i			i.		
Keep container tightly sealed.						.:		
Store in cool, dry place in tightly c								
Information about protection agair	nst explosio	ons and fi	res:					

		.'			. '	1					. '
No special measures re	equired.	1 I			1 I			1 I			
Conditions for safe stor	age, inclu	uding any	incom	patibilit	lies						
Requirements to be me	et by store	erooms a	nd rece	eptacles	S:						1
No special requirement Information about stora		commor				1 1 1 1	1 1 1	.1	:		.:
Do not store together w	/ith acids.	r - r -						· · ·			
Store away from oxidiz					`: `:			': 			· :
Keep container tightly s					.1	1 1 1 1	· · ·	1		•	.:
Store in cool, dry condi	tions in w	ell-seale	d conta	ainers.							
Specific end use(s)		1	1 1			, i	1		,		
No data available		1			`: `:			1			1

SECTION 8. EX	POS	URE C	ONT	ROL	S/PEF	SON	<b>JAL</b>	
PROTECTION								

Additional information about design of technical systems: No further data; see section 7. Control parametersComponents with limit values that require monitoring at the workplace: 7439-98-7 Molybdenum (100.0%) PEL (USA) Long-term value: 5\* 15\*\* mg/m 3 as Mo;\*soluble compds., \*\*insol.compds.:total dust TLV (USA) Long-term value: 10\* 3\*\* mg/m 3 as Mo; \*inhalable fraction \*\* respirable fraction EL (Canada) Long-term value: 3\* 10\*\* mg/m 3 as Mo; \*respirable \*\*inhalable

EV (Canada) Long-term value: 1	0* 3** 0.5	*** mg/	/m							,
3										
metal,insol.compd.:*inh;**resp;so	ol.compd.:	***resp	) )							
Additional information: No data										
Exposure controls		1								. '
Personal protective equipment	н н н			н н н			н н н			
Follow typical protective and hyg	gienic prac	tices fo	or hand	lling chem						,
Maintain an ergonomically appro	priate wor	rking e	nvironr	nent.						
Breathing equipment: Not require	ed.									
Recommended filter device for s				.'	,					. '
Use a respirator with type N95 (l	USA) or Pl	E (EN	143) ca	artridges a	is a bac	kup to	engineerir	ng contr	ols.	
Risk assessment should be perfe	ormed to c	determ	ine if ai	r-purifying	g <u>r</u> espira	ators ar	e appropr	iate. On	ly.	
use equipment tested and appro	oved under	appro	priate (	governme	nt stand	dards.				
Protection of hands: Not required	d,			.:			.:	: **		.:
Material of gloves										
Nitrile rubber, NBR										,
Penetration time of glove materia	al (in minu	tes) 48	30	1			1			
Glove thickness 0.11 mm										
Eye protection: Safety glasses								: ' '		.:
Body protection: Protective work	clothing.		1 - 1 1	· ·	н 1 - 1		· · ·		1 I	
				· ;			`;			•
<b>SECTION 9. PHYSIC</b>					PRO	PER	TIES			
Information on basic physical an	d chemica	l prope	erties	.1			3			. :
Appearance:	с. с. с.									
Form: Solid in various forms										
Color: Dark grey										1
Odor: No data available									1 1	
Odor threshold: No data availabl		,	,	.'	,		1	,		. '
pH: N/A	r - r -									

				1						
Melting point/Melting rar	nge: 26	23 °C (4753	₿°F)	н н 1	1 I	1			:	 
Boiling point/Boiling ran	ge: 463	39 °C (8382	°F)							
Sublimation temperature	e / start	: No data av	vailab	le						 1
Flammability (solid, gas	): No da	ata available								
Ignition temperature: No	o data a	available								
Decomposition tempera	ture: N	o data avail	able	н н 1	1 I		1 I 1	· · ·		 
Autoignition: No data av	vailable				'.			· .		
Danger of explosion: No	o data a				,			1		
Explosion limits:					:			:		 ;
Lower: No data available				ï	,			i i		
Upper: No data availabl	e			1 I	1 1 1	1			· · ·	
Vapor pressure: N/A		4				1.1.1				 1
Density at 20 °C (68 °F)	: 10.22	g/cm								
<b>3</b> . <sub>1</sub>				1 I 1					; • •	 .:
(85.286 lbs/gal)						1				 
Relative density: No dat	a avail	able.		ı	1	1 1	1			
Vapor density: N/A										 1
Evaporation rate: N/A										
Solubility in Water (H				1 I		1.1.1		.1	111	 .1
2, , , , , , ,	1 I	1 I			н н 1	1	1 1			 
O): No data available										
Partition coefficient (n-o	ctanol/	water): No d	lata a	vailabl	e.Viscosit	y:				
Dynamic: N/A Kinematic: N/A	1 I		: • •	· ·	.1	;		.:	: • •	 .:
		1 1								 
No data available		1			1					
										 1

# SECTION 10. STABILITY AND REACTIVITY

Reactivity

	1 1 1			1 1 1			1 1 1		
No data available		1 1							
Chemical stability									
Stable under recommended storage co	onditions.	•				1			
Thermal decomposition / conditions to									
Decomposition will not occur if used an						.:			
Possibility of hazardous reactions		1 I							
Reacts with strong oxidizing agents									
Conditions to avoid						:			:
No data available			.:				;••		
Incompatible materials:									
Acids	н 1 — 1	1		1 1 - 1					
Oxidizing agents									
Hazardous decomposition products:									
Molybdenum oxides	1 1 1 1		.:	1.1.1		.:	1.1.1		
		1 I							
SECTION 11. TOXICOLO	GICA		IFORI	MATIO	<b>DN</b>				
Information on toxicological effects			,			,			
Acute toxicity:	111	1 1		111			111		.:
The Registry of Toxic Effects of Chemi	cal Subs	tances	(RTECS	6) contai	ns acut	e toxicity	<sup>,</sup> data for	this	
substance.		1				1			
LD/LC50 values that are relevant for cl	assificati	ion: No	data			1:			
Skin irritation or corrosion: May cause i	irritation								
Eye irritation or corrosion: May cause in	rritation	1 1		111		.:	111		

Sensitization: No sensitizing effects known.

Germ cell mutagenicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains mutation data for this

substance.

Carcinogenicity:

No classification data on carcinogenic properties of this material is available from the EPA, IARC,

	i					. '		
NTP, OSHA or ACGIH.								
Reproductive toxicity:								
The Registry of Toxic Effects of Chem	ical Sub	stances	(RTECS	s) contai	ns repro	oductive	data for	this
substance.								
Specific target organ system toxicity -			ure: No e			.:		
Specific target organ system toxicity -	single e	cpoisure	: No effe	cts knov	vn.	1 - 1 1		
Aspiration hazard: No effects known.								
Subacute to chronic toxicity:						1		
The Registry of Toxic Effects of Chem for	ical Sub	stances	(RTECS	6) contai	ns mult	iple dose	e toxicity	data
this substance.			· · ·			н н н		
Additional toxicological information:			1					
To the best of our knowledge the acut known.Carcinogenic categories	e and ch	ronic to	oxicity of		stance i		y	
OSHA-Ca (Occupational Safety & Hea	alth Adm	inistrati	on)			1		
Substance is not listed.		· · ·	1 - 1 1			1 - 1 1		

## **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity		1 1				.1			
Aquatic toxicity:		1		1 1 - 1	1 - 1 1				
No data available			· :						
Persistence and degradability									
No data available	; • •		.:	111			:**		
Bioaccumulative potential									
No data available									
Mobility in soil			`: :			1			
No data available									
Additional ecological information:	; • •	· · ·	.:			.÷	: * *		
Do not allow undiluted product or large	quantiti	ies to re	each gro	undwater	, water	courses	, or sewa	age	

				,						
systems.										 
Avoid transfer into the	e enviror	nment.								
Results of PBT and vi	PvB ass	essment			1					 1
PBT: N/A vPvB: N/A	• •		:**	· · ·	.:	; <i></i>	1 - 1 - 1	ji.	; ···	 .:
Other adverse effects	· · ·						1 1			 
No data available					· .					
Waste treatment meth	louo									
Waste treatment meth	nods	1 I								 • •
Recommendation										 1
Consult official regula	tions to	ensure p	roper di	sposal.						
Uncleaned packaging	S:		111			111			111	 .1
Recommendation:										 
Disposal must be mad						1 1	ł		н 1 - 1	
<u> </u>					1			1		
<b>SECTION 14.</b>	TRA	NSPO	RT IN	IFOF	RMAT	ION			: • •	 .:

UN-Number												
DOT, ADN, IMDO												
N/A												
UN proper shippi	ng nam	e										
DOT, ADN, IMDO	G, IATA	1			1 1			1			1	
N/A		1 - 1 1	· · ·	н 1 — 1	1 1 1			н н н	н н н			
Transport hazard	class(e	es)							-			,
DOT, ADR, ADN,												
Class N/A			2	; · ·	· · ·	.:	; <i></i>		.:	:	· · ·	
Packing group									н н н			,

			i.			1			1		
DOT, IMDG,	ATA	н н н	· · ·			· · ·		1 - 1 1			
N/A											
Environmenta	l hazards	s:N/A	1			1					 1
Special preca N/A			.1	; · ·	• •	.1	; · ·		.:	:	.:
Transport∶in b	ulk accor	rding to	Annex II o	of MAR	POL73/	78 and th	e l¦B¦C C	Code			
N/A Transport/Add						·			1		
DOT Marine Polluta			.÷	:**	1 1 1	.÷	:**		ji.	:	 .:
No	н 1 - 1										

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# SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulat				1	substar	nce or mix	ture					
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	Canad	ian Dome	stic Sub	ostance	es List (DS	SL).					
SARA Section 313 (specific toxic chemic	al listin	igs)			1 I 1							
Substance is not listed.												
California Proposition 65								,				
Prop 65 - Chemicals known to cause car												
Substance is not listed.		1		1	1							
Prop 65 - Developmental toxicity		н н 1			1 I							
Substance is not listed.			1			1						
Prop 65 - Developmental toxicity, female						1						
Substance is not listed.					1 1	:						
Prop 65 - Developmental toxicity, male		'	i .		,	1						
Substance is not listed.		н н 1		н 1 - 1								

Information about limitation of use:	· · ·	1 - 1 1					
For use only by technically qualified individ	uals.						
Other regulations, limitations and prohibitiv	e regulatior	IS					
Substance of Very High Concern (SVHC) a	according to	the REAC	CH Reg	ulation	s (EC) No	. 1907/2	2006.
Substance is not listed.						111	
The conditions of restrictions according to a	Article 67 a	nd Annex 2	XVII of	the Reg	gulation (E	EC) No	
1907/2006 (REACH) for the manufacturing	, placing or	the marke	et and ι	use mu	st be obse	erved.	
Substance is not listed.							
Annex XIV of the REACH Regulations (req	uiring Autho	orisation fo	or use)				
Substance is not listed.			1				1
REACH - Pre-registered substances	1 - 1 1	н н н					
Substance is listed.		· .			· · ·		
Chemical safety assessment:							
A Chemical Safety Assessment has not be	en carried o	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 properties of the product.