

SAFETY DATA SHEET

. 1 ¹		: • •							Date	Accesse	d: 25/08	8/2023
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	CTION											
	uct Name										111	. '
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	vant ident											
	lier detai									•		
Stanfo	ord Advar il: sales@	iced Ma		n								
Tel: (949) 407-8	3904			:						:	
Addre	ess: 23661			ake Fore								
	CTION											
	ification a											
	ubstance						· · ·			ordina to		
	otion									-		
,	ification a			active 67/							111	. 1
N/A			-								:	
	nation cor	cerning	narticu	lar hazarı	de for h	uman a	and envir	onment:				
	ata availat		ραιτισα	iai , nazan		anan						
			classifi	2d					,			3
	rds not oth ata availat		014351110								1	
NU UC	ila avalidi.											

						, , , ,				
Label elements				1 I 1					e.	
Labelling accordin	ng to Regi	ulation (EC	C) No 127	2/2008						
N/A	· · · · · · · · · · · · · · · · · · ·									 · · .
Hazard pictogram	IS									
N/A										
Signal word	· · · ·	r - 1 1	:	1 I 1	н н н	:		н н н		
N/A		· .			· .			· .		
Hazard statement		,								
N/A									111	
WHMIS classifica	tionNot co	ontrolled								
Classification syst	tem	н н н	:	1 1		1			ť	
HMIS ratings (sca	ale 0-4)	1.			1. 1.			14. 14.		 ÷.,
(Hazardous Mater	rials Ident	ification S	ystem)							
HEALTH	111 - J.1			, · '		:			111	
FIRE						. •				
REACTIVITY	i i	,	į	i.	ı	;		,		
1					14	1 1 - 1		14		 ÷.,
0										
1			111			111			111	
Health (acute effe	ects) = 1	н н н	:	1 - 1 1	н н н					
Flammability = 0										
Physical Hazard =	= 1	· .						' .		 · .
Other hazards									111	
Results of PBT ar	nd vPvB a	ssessmen	t	. '		,	. '		,	
PBT:	: : : : : : : : : : : : : : : : : : :	н н н		1 1			1 1 1	н н н		
N/A	· · · · · · · · · · · · · · · · · · ·				1. j.			1. 1.		
vPvB:										
N/A			1.1.1			1.1.1			1.1.1	
					1 - 1 1					

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances				1. 1.						
CAS No. / Substance Nam	ie:									
1304-76-3 Bismuth(III) oxid	de				: ' '			111		
Identification number(s):					. '					1
EC number:				,					,	
215-134-7		, , ,								
line and the second										,
SECTION 4. FIRS	ST AID I	MEAS	URE	S	e.					
Description of first aid means If inhaled:	sures									
Supply patient with fresh a										
Seek immediate medical a	dvice.	1								
In case of skin contact:			н н 1	н н Н				i.		
Immediately wash with soa	ap and wate	r; rinse tl	horoug	hly,	,					ſ
Seek immediate medical a				ı						
In case of eye contact:								: • •		
Rinse opened eve for seve	eral minutes	under ru	Innina V	water Cor	nsult a r	hysicia	an			
If swallowed:	· · · ·				1					
Seek medical treatment.				1.			1. 1.			,
Information for doctor										
Most important symptoms	and effects,	both act	ute and	delayed	: · · ·			111		,
No data available										
Indication of any immediat										
No data available	на страни При страни	:								,

SECTION 5. FIREFIGHTING MEASURES

			1 1 1								
Extinguishing media											
Suitable extinguishing											
Product is not flammab	ole. Use f	ire-fighting	g meas	sures t	hat suit the	e surro	unding	fire.			÷.,
Special hazards arising	g from th	e substan	ce or n	nixture							
If this product is involve		re, the follo			released:				1.1.1		
Advice for firefighters		н н н	1	н н н	н н н	:		н н Н	i.		
Protective equipment:		1.		1.1.1	14. 14.			5. 19	· .		÷.,
Wear self-contained rea	-										
Wear fully protective im	nperviou	s suit.							111		
		1 I			1 1						
SECTION 6. A											
					14.				н 1. т.		÷.,
Personal precautions, p											
Use personal protective	e equipn	nent. Keep	unpro	tected	persons a	away.			111		
Ensure adequate ventil Environmental precauti			:			e'		н н н	ť	: 1	
Do not allow product to	enter dı	ains, sew	age sy	stems,	or other w	vater c	ourses.				÷.,
Do not allow material to	o penetra	ate the gro	ound or	soil.							
Methods and materials	for cont	ainment a	nd clea	anup:		: * *					
Pick up mechanically.									. '		
Prevention of secondar	ry hazaro	ds:									
No special measures re	equired.								н 1 - 1		÷.,
Reference to other sec	tions										
See Section 7 for inform	mation o	n safe har	ndling				. '		111	. '	
See Section 8 for inforr	mation o	n persona	l prote	ction e	quipment.		1 I 1				
See Section 13 for disp	oosal info		1		·			5. 1			·

SECTION 7. HANDLING AND STORAGE

Handling

Precautions for safe handling		1 I 1	1 - 1 1				:		
Keep container tightly sealed.									
Store in cool, dry place in tightly clo	sed contair	ners.							÷.
Information about protection agains	-	s and fi	res:						
The product is not flammable		. '			.'			.'	
Conditions for safe storage, including	ng any inco	mpatibi	lities	i.	н н Н	н н Н	÷		
Requirements to be met by storeroo No special requirements.	oms and ree	ceptacle	es:			5			÷.,
Information about storage in one co	ommon stor	age fac	ility:						
Store away from oxidizing agents.		,							
Further information about storage o	onditions:						:		
Keep container tightly sealed.									÷.,
Store in cool, dry conditions in well-	sealed con	tainers.							
Specific end use(s)				111			111	1	
No data available		1 - 1 1		:		1 - 1 1			
						14. 14.			÷.,
SECTION 8. EXPOSUR	RE CON	ITRC	LS/PE	ERSO	NAL				
PROTECTION	111								
Additional information about design	of technica	al syste	ms:				÷		
Properly operating chemical fume h	nood design	ed for h	nazardou	s chemio	cals and	d having	an avera	age	
face velocity of at least 100 feet per	r minute.								
Control parameters									
Components with limit values that r	equire mon	itoring a	at the wo	rkplace:	. '			. '	

The product does not contain any relevant quantities of materials with critical values

that should be monitored at the workplace. Additional information:

No data

Exposure controls

Personal protective equipment

Follow typical protective	and hy	gienic pra	ctices f	or hanc	lling chem	icals.		1 I			
Keep away from foodstu	ffs, bev	erages an	id feed								
Remove all soiled and co	ontamin	nated cloth	ning im	mediate	ely.						
Wash hands before brea	iks and	at the end	d of wo	rk.							
Maintain an ergonomical	lly appr	opriate wo	orking e	environr	nent.						
Breathing equipment:		н н н			н н 1			н н н	:		
Use suitable respirator w	/hen hig	gh concen	trations	s are pr	esent.			· , ,			
Protection of hands:		1	1 1		t.			t.			
Impervious gloves	. '		1 1 1 1				. '				
Inspect gloves prior to us				,							
Suitability of gloves shou	ıld be d	etermined	l both b	by mate	rial and qu	uality, tl	ne latte	r of which	may va	iry	
by manufacturer.				1.1.1		н н н		Ъ.,			• ,
Penetration time of glove	e materi	ial (in min	utes)								
No data available			1	.'			.'				
Eye protection:	н н н	н н н		н н н	1 I			· ·	:		
Safety glasses					1.						
Body protection:											
Protective work clothing.			; • •								
an an an			1	1 1 1			1 - 1 1				
SECTION 9. PH	YSIC			HEN	IICAL	PRO	PER	TIES			
Information on basic phy	sical ar	nd chemic	al prop	erties							
Appearance:			1 1 1 1						; • •	1	
Form: Powder or solid in		1 1	, '			. '			. '		,
Color: Yellow											
Odor: No data available			1 1 1								
Odor threshold: No data	availab	ole.									
pH: N/A											
Melting point/Melting ran	ge: 817	7 _, °C (1503	°,F)		1 I		1 1 1				

Boiling point/Boiling range: ca 1890 °C (ca 34	34 °(F)		l.	1 1				
Sublimation temperature / start: No data avail								
Flammability (solid, gas)								
No data available.								
Ignition temperature: No data available								
Decomposition temperature: No data available	Э ,		:	1 I				
Autoignition: No data available.					· .			· .
Danger of explosion: No data available.		,			,			
Explosion limits:				.'				
Lower: No data available								
Upper: No data availableVapor pressure: N/A		1	:					
Density at 20 °C (68 °F): 8.9 g/cm		1.	н 1 - 1		1. 1.			÷.,
3								
(74.271 lbs/gal)			111	. '		:**		
Relative density			:	1 1				
No data available.	,	1		1				
Vapor density					14			1.
N/A								
Evaporation rate								
N/A			l.	1 1				
Solubility in Water (H								
2								
O): No data available								
Partition coefficient (n-octanol/water): No data	availab	le.	1					
Viscosity:		н н Н	l.			i.		
Dynamic: N/A					· .			
Kinematic: N/A			н н -					
Other information	. '			. '			. '	
No data available				I				

			,							
SECTION 10. STAE	BILITY	AND	RE	ACTIV	ΊΤΥ			ť		
Reactivity		н 1 - 1								· .
No data available										
Chemical stability					111			111	$\mathcal{A}^{(1)}$	
Stable under recommended st	orage con	ditions	•							
Thermal decomposition / cond	itions to be	e avoid	led:							
Decomposition will not occur if	used and	stored	laccor	ding to sp	pecificati	ons.	14	н 1. т.		
Possibility of hazardous reaction	ons									
Reacts with strong oxidizing a	gents				111			111		
Conditions to avoid	н н 1	;	· · ·	н н 1	:		1 - 1 1	:		
No data available										
Incompatible materials:		1 1					1.			
Oxidizing agents								;••		
	1 - 1		1 I							
SECTION 11. TOXIC	COLOO	GICA		IFORM	ΙΑΤΙΟ	ON				
Information on toxicological eff		, , ,						н 1. т.		
_										
Acute toxicity: The Registry of Toxic Effects of										
data for this substance.				, (111200) oontai	io dout	e textory	:		
LD/LC50 values that are releva										
Oral LD50 4000 mg/kg (rat)		Joinoan								
Skin irritation or corrosion:										
May cause irritation										
Eye irritation or corrosion:	н — н н	:	н н 1	н н н	i.			÷.		
May cause irritation				1. j.			1. 1.			
Sensitization:										
No sensitizing effects known.										
Germ cell mutagenicity:		:								

No effects known.									
Carcinogenicity:									
No classification data on carci	nogenic pr	operties	s of this	material	is availa	able fro	m the EP/	A, IARC	3
NTP, OSHA or ACGIH.									
Reproductive toxicity:No effec	ts known.								
Specific target organ system to	oxicity - rep	peated	exposu	re:	:		н н Н	1	
No effects known.							• .		
Specific target organ system to				r.			,		
No effects known. Aspiration hazard:									al a
No effects known.		;	1 I			1 I		t. L	
Subacute to chronic toxicity:	1.								
No effects known.									
Additional toxicological inform	ation:							: • •	
To the best of our knowledge	the acute a	nd chro	onic tox	icity of this	s subst	ance is	not fully k	nown.	

SECTION 12. ECOLOGICAL INFORMATION

Toxicity						; • •			111	
Aquatic toxicity:	1 I	н н Н		1 I	н н Н			н н н		
No data available										
Persistence and degrac	lability		· · ·			· · ·				
No data available										
Bioaccumulative potent	ial								1.1.1	
No data available	1 I	н н Н	:	1 I 1	н н Н	: ¹	н н н		:	
Mobility in soil					· .					
No data available										
Additional ecological inf	formatio	on:								
Do not allow undiluted p										
systems.			t.	н н н		t.			a l'	

				,					
Avoid transfer into the e	environ	ment.					 		
Results of PBT and vPv		essment							
PBT:			1						 ÷.,
N/A vPvB:			:				 	:	
N/A	1 I	1 1 1	:		· · ·	:	 1 - 1 1	t.	
Other adverse effects No data available		М.	н 1. л.		14. 1		 1.		 14. 14.
get and the second second								1.1.1	
SECTION 13. D	ISP	OSAL	CON	ISID	ERAT	IONS	 	÷	
Waste treatment metho Recommendation	ds	1. 1.			14. 1				 ÷.,
Consult official regulation	ons to e	ensure pr	oper dis	sposal.		111		111	
Uncleaned packagings: Recommendation:		1 I 1	;	1 I	н н н		 н н н	;	
Disposal must be made	accore	ding to of	ficial re	gulatior	IS.	н 1 - 1	 1. 1.	1 1 1	 ÷.,
SECTION 14. T	RΔN	ISPO		FOR	ΜΔΤ	ION			
UN-Number									
DOT, ADN, IMDG, IATA	4	1 - 1 - 1	: : .			н 1 - 1			 ÷.,
N/A UN proper shipping nar	neDOT	, ADN, II	MDG, IA	TA		111		1.1.1	
N/A	н н 1	н н 1	:				 н н н		
Transport hazard class(DOT, ADR, ADN, IMDO			: . : .		14. 1	: 	 14. 14.		 ÷.,
Class N/A									
Packing group		н н н	:		н н Н	ť	 1 - 1 1		

DOT, IMDG, IATA			:			1			e e	
N/A										
Environmental haza	rds: N/A									
Special precautions N/A			1 1 1 1						;	
Transport in bulk ac	cording to	Annex II	of MAR	RPOL73	8/78 and	the IBC (Code	н н н	e ^r	
N/A Transport/Additiona					Ч.,			**. **.		 ÷.,
Marine Pollutant (D	OT): No		111			111			:**	

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 substan	ce Inv	entory.	1			1	:	
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	:	1 - 1 1	н н н		1 - 1 1	н н н		
Substance is not listed.								
Prop 65 - Developmental toxicity, male								
Substance is not listed. Information about limitation of use:	: • •			: "			:**	
For use only by technically qualified individ	duals.	н н н		: ¹	н н н		:	

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 properties of the product.