

SAFETY DATA SHEET

					,		· · · ·		Date	Accessed	d: 25/08	8/2023
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SEC	CTION	1. ID	ENT	IFICA								
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	uct Name										·	
CAS	π.											
Relev	/ant iden	tified us	ses of t	the subs	stance: S	Scienti	fic resea	rch and	develo	opment		
	lier detai											
Stanf	ord Advar	nced Ma	iterials		111		· · .	:**		· · .	:**	. • •
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	ess: 2366											
SEC	CTION	2. H	AZA	RDS I	DENT	ſIFIC		N	. * *		:	
SE(Class	CTION	2. H	AZA bstance	RDS I	DEN1 ure	TIFIC				··.	111 1.1	
SE(Class GHS	CTION	2. H of the sul	AZA bstance accorda	RDS I e or mixt	DEN1 ure	TIFIC				•••	111 1.1	
SE(Class GHS Skin i	CTION ification c Classifica	2. H of the sulution in a Category	AZAI bstance accorda v 2), H3	RDS I e or mixt ance with	DEN1 ure 29 CFR	1910 (COSHA H	N ^{cont}		· · · · · ·		
SE(Class GHS Skin i Eye ir	CTION ification of Classifica rritation(C	2. H of the su tion in a Category ategory	AZAI bstance accorda v 2), H3 2A), H	RDS I e or mixt ance with 15 319	UTE 29 CFR	1910 (··· ··· ···		
SE(Class GHS Skin i Eye ir Speci	CTION iffication of Classifica rritation(C rritation(C ific target	2. H of the sub ategory ategory organ to	AZAI bstance accorda 2), H3 2A), H oxicity -	RDS I e or mixt ance with 15 319 single ex	DENT ure 29 CFR	TIFIC 1910 (Catego	OSHA H	N CS) spiratory	v systen	n, H335		
SE(Class GHS Skin i Eye ir Speci For th	CTION ification c Classifica rritation(C rritation(C ific target he full text	2. H of the su ategory ategory organ to of the H	AZA bstance accorda (2), H3 (2A), H oxicity - h-State	RDS I e or mixt ance with 15 319 single ex ments m	DENT ure 29 CFR	TIFIC 1910 (Catego	COSHA Herry 3), Res Section,	N CS) spiratory see Sec	v systen	n, H335		
SE Class GHS Skin i Eye ir Speci For th GHS	CTION ification of Classifica rritation(C rritation(C ific target he full text Label ele	2. H of the su ategory ategory organ to of the H	AZA bstance accorda (2), H3 (2A), H oxicity - h-State	RDS I e or mixt ance with 15 319 single ex ments m	DENT ure 29 CFR	TIFIC 1910 (Catego	COSHA Herry 3), Res Section,	N CS) spiratory see Sec	v systen	n, H335		
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SEC Class GHS Skin i Eye ir Speci For th GHS Pictog	CTION iffication c Classifica rritation(C rritation(C fific target he full text Label ele gram al word	2. H of the su ategory organ to of the H ments, i	AZAI bstance accorda (2), H3 (2A), H (2A), H (RDS I e or mixt ance with 15 319 single ex ments m	DENT ure 29 CFR kposure(entioned utionary s	TIFIC 1910 (Catego I in this	OSHA H (OSHA H ry 3), Res Section, ents	N CS) spiratory see Sec	v systen	n, H335		

		· · ·			· · ·			· · ·			···.
Hazard statement(s)	••.		·	•••		1	· · .		1		
H315											
Causes skin irritation.											
H319											
Causes serious eye irri	itation.			. * *	· · .			· · · .			· · · .
H335May cause respir	atory irr	itation.	·	· · .		1.1	· · .		1	11	
Precautionary statemer	nt(s)			1		÷.,					
Avoid breathing dust/ f	-			/ spray.	· · .						
P264	1	I		1			1	1		1	
Wash skin thoroughly a	after ha	ndling.	1	· · .		1.1			1		
P271											
Use only outdoors or ir	n a well-	ventilated	d area.								
P280		· · .	; • •		· · .	111		· · .	; • •		
Wear protective gloves											
P302 + P352	• • •		<u>, , ,</u>			<u></u>			1 1	11.	
IF ON SKIN: Wash with	h plenty	of soap a	and wat	er.		н 1 - 1					
P304 + P340											
IF INHALED: Remove	victim to	o fresh aiı	r and ke	ep at re	est in a p	osition o	omforta	able for l	oreathing		· · · .
P305 + P351 + P338			·			·			·		
IF IN EYES: Rinse cau	tiously	with wate	r for sev	veral mi	nutes. R	emove o	contact	lenses, i	f present	and	
easy to do. Continue ri	nsing.			;		н 1 - 1			, , ,		
P312											
Call a POISON CENTE	ER or do	octor/ phy	sician i	f you fe	el unwell			· · .			· · .
P321			1	· · .		1	· · .		1	· · .	
Specific treatment (see	e supple	mental fir	rst aid ir	nstructio	ons on th	is label)					
P332 + P313		1 - 1 1									
If skin irritation occurs:	Get me	dical adv	ice/ atte	ention.							
P337 + P313	. 11							11.			· · · .
If eye irritation persists	: Get m	edical adv	vice/ att	ention.		1	· · .		1 1	· · .	

			· · ·	1		1 I 1	1		· · ·	1 1 1		
P362	1	· · .		1	· · .		·	· · .		5	· · .	
Take off contami												
P403 + P233							н н н		111			
Store in a well-ve	entilate	d place	e. Keep o	container	r tightly	closed.						
P405	: • •		· · · ·	111		· · · .	111		· · · .	111	11	
Store locked up.	1	· · .		1	· · .		1	· · .		1	· · .	
P501 Dispose of conte						disposal						. '
Hazards not othe												
	1 10130	Classin							· · .	111		
	·			·			·			·		
SECTION 3												
	3. CO	OMP	OSITI		NFOI	RMAT						
SECTION	3. CO	OMP	OSITI	ON/I	NFOI	RMAT						
SECTION	3. C(3mol%	OMP Yttria			NFOI	RMAT				DIEN	TS	

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contactRinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

					'			'		
Most important symp	toms and	l effects,	both act	ute and	l delayed		· · .		·	· · .
The most important I	-	-							-	
and/or										
n section 11										
ndication of any imn	nediate m	edical at	tention a	and spe	ecial trea	tment ne	eded		: * *	. * *
No data available	19. 19.		1.1			1			1	
SECTION 5. I	FIREF	IGHTI	NG N	IEAS	SURE	S				
Extinguishing media		1 I 1	; * *							
Suitable extinguishin	g media		1. j.				•••		1	··.,
Jse water spray, alc Special hazards aris						on dioxid	e.		: .	
Zirconium oxides, Yt	trium oxid	les			··.			11. 1	;	
Near self-contained		apparat	us for fir	efightir	ng if nece	essary.			1	· · .
Further information	_			-	-	-	:	- 1 - 1 1	н 1. т.	1
No data available										
		· · · .			· · · ·			11 A.		
SECTION 6.		ENT		ELEA	SE M	IEASU	JRES	5	1	···.
Personal precautions	s, protecti	ve equip	ment an	d emer	gency pi	rocedure	S			
Use personal protect	ive equip	ment. Av	void dust	format	tion. Avo	id breath	ing vap	ours, mi	st or gas.	

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

						1	· · · ·			
Reference to other sections		1	· · .		1			1		
For disposal see section 13.										
Here and the second sec		н 1 - 1	:							
SECTION 7. HAND)LING	AND	STO	RAGE		. * *	11	111	. * *	
Precautions for safe handling	J ····	1	· · ·					1	11. 11.	
Avoid contact with skin and e	eyes. Avoi	d format	ion of d	ust and a	erosols				:	
Provide appropriate exhaust	ventilatior	ı at place	es wher	re dust is f	formed.		1			
For precautions see section	2.							:		,
Conditions for safe storage, i										
Keep container tightly closed	l in a dry a	nd well-	ventilat	ed place.	1	11		1	11	
Keep in a dry place.										
Specific end use(s)										
Apart from the uses mention	ed in secti	on 1 no	other s	pecific use	es are s	tipulate	d , ,	111		
ng n									· · · .	
SECTION 8. EXPO	SURE	CON	TRO	LS/PE	RSO	NAL				
PROTECTION										
Exposure controls	· · · ·	: 11		· · ·			· · .	:		
Appropriate engineering con										
v hhi ohuare endure en la con	trols	·			·			·		
Handle in accordance with g	ood indust	trial hygi	ene and		ractice.	Wash h	nands bef	ore brea	aks	
Handle in accordance with ge and at the end of workday.	ood indust	trial hygi	ene and	d safety pi	ractice.	Wash h	nands bef	ore brea	aks	
Handle in accordance with gr and at the end of workday. Personal protective equipme	ood indust	trial hygi	ene and	d safety pi	ractice.	Wash h	nands bef	ore brea	aks	
Handle in accordance with g and at the end of workday. Personal protective equipme Eye/face protection	ood indust	trial hygi	ene and	d safety pi	ractice.	Wash h	hands bef	ore brea	aks	
Handle in accordance with ge and at the end of workday. Personal protective equipme Eye/face protection Safety glasses with side-shie	ood indust ent elds confor governme	ming to nt stand	ene and EN166 ards su	d safety pi Use equij ch as NIC	ractice. oment f	Wash h	nands bef	fore brea	aks	
Handle in accordance with ge and at the end of workday. Personal protective equipme Eye/face protection Safety glasses with side-shie approved under appropriate	ood indust ent elds confor governme	trial hygi	ene and EN166 ards su	d safety pi Use equij ch as NIC	ractice. oment f	Wash h	nands bef	fore brea	aks	
Handle in accordance with ge and at the end of workday. Personal protective equipme Eye/face protection Safety glasses with side-shie approved under appropriate Skin protection Handle with gloves. Gloves r	ood indust ent elds confor governme	ming to	ene and EN166 ards su	d safety pi Use equij ch as NIC	pment f	Wash h or eye p S) or EN	orotection	fore brea i tested).	aks	

contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.
Body Protection
impervious clothing, The type of protective equipment must be selected according to the concentration
and amount of the dangerous substance at the specific workplace.
Respiratory protection
For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level
protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use
respirators and components tested and approved under appropriate government standards such as
NIOSH (US) or CEN (EU).
Control of environmental exposure
Do not let product enter drains.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic phy	sical a	nd chemio	cal prop	oerties							
Appearance						1.1					
Form: Liquid					•••						
Odour		1			,			,			
No data available	· · .		1				· · .		1	11. 1	
Odour Threshold											
No data available											
		· · .			· · .			· · .	;**		
No data available											
Melting point/freezing po	int			· · ·		·	· · ·		·	· · .	
Melting point/range: > 2.6	6 °°C (>	≥ 36.7 °F)-	lit,								
Initial boiling point and bo	oiling r	ange									
No data available		· · · .						· · · .	; • •		
Flash point	· · ·					Тал			1	· · .	

		· · ·		. 11	11.			· · · ·			
Not applicable	· · .			· · .		1	· · .		1	· · .	
Evaporation rate											
No data available											
Flammability (solid, gas)											
No data available		11.				111		· · · .			· · ,
Upper/lower flammability	y or ex	plosive l	imits	· · .		1	· · .		1	11. 11.	
No data available						1	:			:	
Vapour pressure	ı						,				,
No data available											
Vapour density		,			,		I	,			
No data availableRelativ	/e den	sity	1	· · · .		1	· · .		1		
No data available											
Water solubility											
No data available		· · .			· · · .			· · .			
Partition coefficient: n-oo		water	·			5			·		
No data available	· · .										
Auto-ignition temperatur	е										
No data available											
Decomposition temperat	ture		111		· · · ,	111		· · .	111	11	۰۰,
No data available	· · .		1	· · .		1	· · .		5		
Viscosity											
No data available											
Explosive properties											
No data available		11.						· · · .			···,
Oxidizing properties	· · .		1	· · .		1	· · .		1	с. С.	
No data available Other safety information	;					н н - н	1		: : .	:	
No data available								···.			
ang ang tao	· · .				1.1.1	·	· · .		1 1	•••	

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SECTION	10. S	STAE	BILITY		RE	ACTI	/ITY	· · · .		·	Ч.,	
Reactivity											ł	
No data available	е											
Chemical stabilit	у (1.1.1		· · · ·			11. 1	111		•••,
Stable under rec	omme	nded st	torage co	onditions	-		5			·		
Contains the follo	owing s	stabilis	er(s):									
Yttrium oxide(8%	(o)			н 1 - 1	1							. * *
Possibility of haz												
No data available	е		11. 1			· · · ·			11. 1			۰۰,
Conditions to ave	bid	· · .		5. J.	· · .		5	с.,		1	· · .	
No data available Incompatible ma		:			-		н 1 - 1	:		: 	1	
Strong oxidizing Hazardous deco			ducts		, i i ,	11. 1			··.	:		•••.
Other decompos	ition p	roducts	-No data	ı availabl	e		1			1	· · .	
In the event of fir	re; see	sectio	n 5	н 1. т.				1				

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects		· · · .		1. A.			· · · .	
Acute toxicity				, , ,		 н 1 — 1		
No data available								
Inhalation: No data available	:**		· · · .	111		:**		· · .
Dermal: No data available No data available	1			·	· · .	 ·	м.,	
Skin corrosion/irritation				, , ,		 :		. • •
No data available								
Serious eye damage/eye irritation			· · · .			; • •		· · .
No data available	·	· · · .		1	11. 1	 1.0	· · .	

Respiratory or skin se	nsitisatio		·	· · · .		1.1.1	· · · .		1.00	
No data availableGeri	m cell mu	tagenicity	у							
No data available			н 1 - 1			н 1 - 1				
Carcinogenicity										
IARC:				. * *			. 11			
No component of this	product p	present a	t levels	greate	r than or	equal to	0.1% i	s identifi	ed as	•••
probable, possible or	confirmed									
ACGIH:	:		1 1	1				. 11		1
No component of this	product p	present a	t levels	greate	r than or	equal to	0.1% i	s identifi	ed as a	
carcinogen or potentia	al carcino	gen by A	CGIH.							
NTP:			1	· · · .		1.1	· · .		1.00	
No component of this	product p	oresent a	t levels	areate	r than or	equal to	0.1% i	s identifi	ed as a	
				9						
known or anticipated	carcinoge	1		9. 9. 10			1			
00114	carcinoge	n by NTF	D.			;				:
00114		n by NTF	.							
OSHA:	product p	n by NTF present a	⊃ t levels							:
OSHA: No component of this	product p al carcino	n by NTF present a gen by O	D. t levels DSHA.	greate	r than or	equal to	0.1% i	s identifi	ed as a	····
OSHA: No component of this carcinogen or potentia	product p al carcino	n by NTF present a gen by O	D. t levels DSHA.	greate	r than or	equal to	0.1% i	s identifi	ed as a	····
OSHA: No component of this carcinogen or potentia Reproductive toxicity	product p al carcino	n by NTF present a gen by O	⊃ t levels 0SHA.	greate	r than or	equal to	0.1% i	s identifi	ed as a	
OSHA: No component of this carcinogen or potentia Reproductive toxicity No data available	product p	n by NTF present a gen by O	D. t levels DSHA.	greate	r than or	equal to	0.1% i	s identifi	ed as a	
OSHA: No component of this carcinogen or potentia Reproductive toxicity No data available No data available Specific target organ to No data available	product p al carcino toxicity -si	n by NTF present a gen by O	D t levels DSHA.	greate	r than or	equal to	0.1% i	s identifi	ed as a	.*
OSHA: No component of this carcinogen or potentia Reproductive toxicity No data available No data available Specific target organ	product p al carcino toxicity -si	n by NTF present a gen by O	D t levels DSHA.	greate	r than or	equal to	0.1% i	s identifi	ed as a	.*
OSHA: No component of this carcinogen or potentia Reproductive toxicity No data available No data available Specific target organ to No data available	product p al carcino toxicity -si	en by NTF present a gen by O	t levels SHA.	greate	r than or	equal to	0.1% i	s identifi	ed as a	
OSHA: No component of this carcinogen or potentia Reproductive toxicity No data available No data available Specific target organ No data available	product p al carcino toxicity -si	en by NTF present a gen by O	t levels SHA.	greate	r than or	equal to	0.1% i	s identifi	ed as a	
OSHA: No component of this carcinogen or potentia Reproductive toxicity No data available No data available Specific target organ No data available Specific target organ	product p al carcino toxicity -si	n by NTF present a gen by O	t levels SHA.	greate	r than or (equal to	0.1% i	s identifi	ed as a	
OSHA: No component of this carcinogen or potentia Reproductive toxicity No data available No data available Specific target organ No data available Specific target organ No data available	product p al carcino toxicity -si	en by NTF present a gen by O	D t levels DSHA.	greate	r than or (equal to	0.1% i	s identifi	ed as a	····

thoroughly investigated.

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SECTION 12. ECO	LOGIC	AL I	NFO	RMAT	ION	· · .		1	· · .	
Toxicity			}					: .		
No data available										
Persistence and degradability	· · · ·	: ' '			:**		· · .			
No data available		·			·			·		
Bioaccumulative potential										
No data available					н н н					
Mobility in soil										
No data available	11 A.	: • •	1.1	· · · ·			· · .			
Results of PBT and vPvB ass	essment	·			1			1		
PBT/vPvB assessment not av	ailable as	s chemio	cal safe	ty asses	sment no	ot requi	red/not c	onducte	d	
Other adverse effects							. * *			. '
No data available										
and the second sec							11			
and the second		·			1	· · .		1	· · .	
SECTION 13. DISP										
Waste treatment methods			:						1	
Product										
Offer surplus and non-recycla							· · ·	,		
Contact a licensed profession	al waste o	disposa	l servic	e to disp	ose of th	is mate	erial.	1.0	Υ.	
Contaminated packagingDisp										
and the second					; • •		· · .			
SECTION 14. TRAN	ISPOI	RT IN	IFOR	RMATI	ON					
DOT (US)		'	· · ·		1	· · .		·	Ч.,	
Not dangerous goods			1							
IMDG										
Not dangerous goods	· · .						· · .			
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Not dangerous goods	۰.,			· · .		·	· · · .		·	· · .
a le la				:			:			1
SECTION 15.	REGI	JLATC	RY I	NFC	RMAT	ION				
EU ADDITIONAL CLA	SSIFIC	ATION				111		11. 1		
Symbol of Danger: Xi									1	· · .
Indication of Danger: I R: 36/37/38	rritant.						;			;
Risk Statements: Irrita S: 26-36	ting to e	yes, respi	ratory s	system	and skin.	: · ·		··.		
Safety Statements: In	case of	contact w	ith eyes	s, rinse	immediate	ely with	plenty	ofwater	and see	k
medical advice. Wear	suitable	protective	e clothir	ng.					1.	
US CLASSIFICATION	I AND L	ABEL TEX	Т							
ndication of Danger:	rritant.			- 1 - 1 -		1.1.1		· · .	:**	
Risk Statements: Irrita	ting to e	eyes, respi			and skin.					
Safety Statements: In	case of	contact w								
medical advice. Wear	suitable	gloves ar	nd eye/f	ace pr	otection.	н 1 — 1				-
UNITED STATES RE	GULATO	ORY INFO	RMATI	ON						
SARA LISTED: No		11.		- 1 - 1 1		; • •		11. 1	111	. * *
CANADA REGULATO	RYINF	ORMATIC	N,			·			1	
WHMIS Classification										
CPR, and the SDS co	ntains al	ll the infor	mation	require	ed by the C	PR.				
DSL: No										
NDSL: No		· · · ·					. * *	· · .	:**	. * *

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

orodu	ict with re	ot brene	annron	riate sof	atv preco	utions	It does	not repro	sont or		ntee of th	
	erties of th			1015 Jal	cry hieue			noriepie		iy guala		
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