

# SAFETY DATA SHEET

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	CTION											
	uct Name						· · .	111		· · · ·	111	.1
	#: 10025-		_		·	·	.:	·	·	.:	÷	·
	vant ident		ses or t	ine subsi	ance: S	scienti	ric resea	rcn and	aevei	opment	1	
	<b>olier detai</b> ford Advar		toriale									
, i	ail: sales@			11.			· · .		.1	· · .	:**	.1
	(949) 407-				·	·		·	·		÷	·
	ess: 2366 <sup>-</sup>											
		1.00	1 - 1 1		1. 	1 - 1 1		1.00			1.00	
_	<b>CTION</b>			_			_					
GHS	Classifica	tion in a	accorda	nce with	29 CFR	1910 (	OSHA H	CS)			·	
	irritation(C											
Eye i	rritation(C	ategory	2A), H	319						· · .		
Spec	ific target	organ to	oxicity -	single exp					. '	· · ·		. '
Resp	piratory sys	stem, H3	335		1	1		1	1. 	.: .:	1	
GHS	Label elei	ments, i	ncludin	ig precaut	ionary s	stateme	ents	1		1	1.1	
	Label elei gram	ments, i	ncludin	ig precaut	ionary s	stateme	ents	5 1			1 	
Picto				,	·							
Picto	gram al word			,	·							

			1	, Î					1		· · .
Hazard statement(s)	·		·	Тал	.:	·	·		·	1	.:
H315											
Causes skin irritation.			<b>`</b>			1			1		. '
H319											
Causes serious eye irri	tation.										••••
H335May cause respira	atory irri	tation.	·	·		1	·		·	1	. :
Precautionary statemen	nt(s)		·			·			·		
P261	1							1		1	
Avoid breathing dust/ fu	ume/ ga	s/ mist/ Va	pors/ sp	oray.						;	
P264				,							
Wash skin thoroughly a	after han	idling.	<b>`</b>	1. 		1	1		1	·	. 1
P271			·			·			·		
Use only outdoors or in	ı a well-v	ventilated a	area.								
P280	.1	· · .	: • •	.:	· · ·	: • •		· · .	;**	.:	·
Wear eye protection/ fa	-										
P280									1 	'	
Wear protective gloves	-		1.	1 - 1 1		1			1		. • 1
P302 + P352											
IF ON SKIN: Wash with	ı plenty	of soap an	id water	<sup></sup>	· · .	: • •		· · .	: ' '	.:	· .
P304 + P340 + P312	·	1	·	·	1	1	·	:	·	•	
IF INHALED: Remove											
a			·			1			1		. 1
POISON CENTER or d	octor/ p	hysician if	you fee	l unwel	Ι.						
P305 + P351 + P338	1	· · ·	: ' '		· · · .	: • •	.1	· · ·	111	.1	••••
IF IN EYES: Rinse cau	tiously w	vith water f			utes. Rem	nove co	ntact le	enses, if pi	resent a	and	. : -
easy to do. Continue rin	0										
P332 + P313	1		<b>'</b>			1			1 		. 1
If skin irritation occurs:											
P337 + P313	.1	· · ·							: ' '		۰.
If eye irritation persists:	Get me	dical advid	ce/ attei	ntion.		1	5	.:	1	·	.:

						1 I 1	1		· · · · · ·	1 1 1		
P362	·	·	.:	1	1		·	1		·	·	.:
Take off contamir	nated o	clothing	and wash	h before	e reuse							
P403 + P233	1 						1			1.1		. '
Store in a well-ve												
P405		.:	· · ·			· · · .	; • •		11.	111		
Store locked up.	1	·	.:		1	.:	1	1		1	1	
P501				·			1			·		
Dispose of conter								,				
Hazards not othe	rwise	classifie	d (HNOC	) or not	t covere	∋d by GHS	S-none	_:	· · .	:**	.:	
- takin ja												
SECTION 3												
SECTION J			Janic		IFUr				IGREE			
Substances												
Formula:Cl3Y 6H	20		· · · ·			· · .	: * *		· · .	: • •	.1	
Molecular weight	: 303.3	36 g/mo'	L		1		1					
CAS-No.: 10025-	94-2		.'									
EC-No.: 233-801	-0,	н н Н					<b>`</b>			1		
					. :	· · · .			· · .			
SECTION 4												
Description of firs				<b>'</b>	<b>`</b>	.1	1	'		1	·	,
General advice				·	· · ·		1	1 I 1		1		1
	on Sh	sow this	aafatu da	to chou	at to the	dector in	ottond	2200				
Consult a physici	: * *									: • •	.1	
Move out of dang	-			i.								
lf inhaled												
If breathed in, mo	1 			. If not	breatni	ng, give a	rtificiai	respira		ult a		
physician.In case												
Wash off with soa	ap and	plenty	of water. (	Consulf	t a phys	sician.	: ' '		· · .	: • •	.:	
In case of eye co	ntact											
- 1		1		1	1							

Rinse 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 symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or

in section 11

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5. FIREFIGHTING MEASURES	1	1	.:	1	1 
Extinguishing media	1	1 - 1 1		1 	
Suitable extinguishing media					
Use water spray, alcohol-resistant foam, dry chemical or carbon o	lioxide.		· · .		.1
Special hazards arising from the substance or mixture	1. 	1	.:	1	1
Hydrogen chloride gas, Yttrium oxides					
Advice for firefighters					
Wear self-contained breathing apparatus for firefighting if necessa	ary.				
Further information				,	
No data available	1	1		1	·

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

Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing Vapors, mist 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.

Reference to other sections For disposal see section 13.

## SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Further processing of solid materials may result in the formation of combustible dusts. The potential for

combustible dust formation should be taken into consideration before additional processing occurs.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Non Combustible Solids

Specific end use(s)Apart from the uses mentioned in section 1 no other specific uses are stipulated

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and

approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of 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

		1.1			1.1	1 1 1					
No data available	·		·	·		·	1		·	·	
Melting point/freezing p	oint										
Melting point/range: 100	0 °C (2	12 °F)-deo	с. С.			· · ·			1 		
Initial boiling point and I	boiling	range									
No data available	. '	· · ·				1				. '	••••
Flash point	1		1 			1	1	.1	1	1	.1
N/A					. '	·			·		
Evaporation rate	,	,		I	,			i i			
No data available				. :			.:		: • •	.:	
Flammability (solid, gas	;)										
No data available	·		'	<b>'</b>		'	'		1	1	
Upper/lower flammabilit	ty or ex	plosive lin	nits <sub>i</sub> No (	data av	ailable	1 			1		
Vapor pressure											
No data available								11. 1	111	.1	•••
Vapor density	·	.1				·			÷.,	1	
No data available					,			i.			
Relative density			<b>'</b>	1		1			1		
2.18 g/cm3 at 25 °C (77											
Water solubility						1.1.1		· · .	1	.1	· · .
No data available	1.		·			1	·		1	1	.1
Partition coefficient: n-o	ctanol/	water									
No data available		. '		I	. '			. '			. '
Auto-ignition temperatu				1			1			.:	
No data available											
Decomposition tempera	ature		·			1 1	<b>1</b>		1	1.1	
No data available			·	1 I 1		·			1		
Viscosity											
		· · · .			· · .			· · .			
Explosive properties											
No data available	·		'	<b>'</b>		'	<b>'</b>		·	<b>'</b>	
					1						

	1		1 1 1	1		1					
Oxidizing properties	·	.:	·	1	.:	·	·	.:	·	·	.:
No data available											
Other safety information			<b>'</b>			·			<u>'</u>		'
No data available		···.		.:						.1	
SECTION 10. S							1	.1	5	5	. :
Reactivity							н н н		5 1		.'
No data available Chemical stability		···.	:	.:	Ч.,		.:	··.	;··	.1	
Stable under recommend	ded sto	orage con	ditions	'., -		1 1	1	.1	1	÷	.:
Possibility of hazardous	reactio	ons	·			5			5		
No data available											
Conditions to avoid	.:	· · · .		. 1		; • •		· · · .			
Avoid moisture. Incompatible materials	·			·		1			1		
Strong oxidizing agents			1	1 - 1 1		1.1			5		. '
Hazardous decompositio	on proc	ducts									
Other decomposition pro	ducts-	No data a	availabl	е		111			111		
In the event of fire: see s	ection	5	1			1	1		5	5	. :
	н н 1		1	1 - 1 1		1			5		
SECTION 11. TO	OXIC	COLO	GICA		IFORI	MATIO	ON				
Information on toxicologi	cal eff	ects		.:	· · .	; • •		· · .	111	.1	
Acute toxicity	·	.:		1	.1	·	·	.1	÷	·	
No data available Inhalation: No data availa						1	1 1 1		1	1 - 1 1	. *
Dermal: No data availabl	le			,							
LDE0 Introportionaal Mai		=0 (1			· · .	1	. '	· · ·		. '	

LD50 Intraperitoneal-Mouse-158 mg/kg Skin corrosion/irritation

		· · ·						· · ·			
No data available	·	.:	1	·	.:	5	1		1	·	
Serious eye damage/e	ye irrita	ationNo d	ata avai	lable							
Respiratory or skin ser	nsitisati	on	·			1			1		. '
No data available											
Germ cell mutagenicity	/	· · · ·			· · · ·	111		· · .			
No data available										1	.:
Carcinogenicity	1 - 1 1		1 	н н н		1	1 - 1 1		·	1 1 1	.'
No component of this p	product	present	at levels	greate	r than or	equal to	0.1% i	s identifi	ed as		
probable, possible or c	onfirme	ed humar	n carcino	ogen by	IARC.	'			,	. '	
NTP:	1.1	.:	·	·	.:	1 1	1.1	.÷	1.00	1	.1
No component of this p	product	present	at levels	greate	r than or	equal to	0.1% i	s identifi	ed as a		
known or anticipated c	arcinog	gen by N⊺	ΓP.								
OSHA:				. 1	· · .						
No component of this p	product	present		-		-					
carcinogen or potentia	l carcin	ogen by		<b>'</b>	.:	·	1		1	1	
Reproductive toxicity			1			1			1.1		
No data available											
No data available	.1		111			111		· · .	: * *		
Specific target organ to	oxicity -	single ex	posure						1		
Inhalation-May cause r	respirat	ory irritat	ion.		.'						
Specific target organ to	oxicity -	repeated	l exposu	re		1			1		
No data available											
Aspiration hazard				.:		1.1.1		11. 1	111		
No data available	·	.:	·	·	.:	5	1		1	÷.,	
Additional Information											
RTECS: ZG3160000			·	1		·			1		. '
To the best of our know	vledge	, the cher	nical, ph	nysical,	and toxic	cological	proper	ties have	e not bee	n	
	1					1.1.1			1.1.1		

thoroughly investigated.

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SECTION 12. EC	COLOGIC		NFO	RMAT	ΓΙΟΝ	1	.:	1	1	.:
Toxicity	· · · · · ·	1	1 1 1		1	· · ·		1	· · ·	
No data available										
Persistence and degrada	bility	: • •		11			11. 11.			
No data available	· :	·	·	:	·	·	:	·		:
Bioaccumulative potentia	I									
No data available		1.1			1 1			1		. '
Mobility in soil										
No data available	.: ···.							111		
Results of PBT and vPvB	assessment	·	·		5	1	.:	1	1	.:
PBT/vPvB assessment ne	ot available as	chemic	cal safe	ty asses	sment no	ot requi	red/not c	onducted	d	
Other adverse effects	· · · ·			. '			. '			. '
No data available			1							
									. '	
an a								1	1	.1
SECTION 13. DI								·		
Waste treatment methods										
Product	.:	: • •		· · .	111		· · .			
Offer surplus and non-rec										
Contact a licensed profes	sional waste o	disposal	l servic	e to disp	ose of th	is mate	erial.	1	1 	
Contaminated packaging	Dispose of as	unused	produc	ot.	5			1. J.		. '
							· · .			
SECTION 14. TF						·	:	·		:
DOT (US)										
Not dangerous goods		1.1			1			1.0		. '
IMDG										
Not dangerous goods	.: ···.		1	···.	111		· · .			
	·	1	·	.1	5	1	.:	1	1	.:

### **SECTION 15. REGULATORY INFORMATION**

SARA 302 Comp	onents			. 1						.:				
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.														
SARA 313 Components														
This material doe														
threshold (De Minimis) reporting levels established by SARA Title III, Section 313.														
SARA 311/312 H				,										
Acute Health Haz	zard		1	·		1 	1 		1	1				
Massachusetts R	ight To Knov	w Compone	ents	· · ·		1	1 I		1					
Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.														
Pennsylvania Rig	ht To Know	Componer	nts			; · · ·			111	.:				
Yttrium chloride h	nexahydrate		·		.:		1. 	.÷	1	1				
10025-94-2									1					
New Jersey Righ	t To Know C	omponents	5											
Yttrium chloride h	nexahydrate	9. 19			· · .	111	.1		111	.:				
CAS-No.	·		·	1	.:	1	·		1	·				
10025-94-2														
California Prop. 6	5 Compone	nts	·			'			1					
This product does	s not contain	any chem	icals kn	own to	State of C	aliforni	a to cau	use cance	r, birth					

defects, or any other reproductive harm.

## **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

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produ	ict with re	egard to	approp	riate saf	ety preca	utions.	It does	not repre	sent ar	ny guarai	ntee of th	e ,	.1
	erties of tl							,					
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