

# SAFETY DATA SHEET

			<sup>1</sup>							Accesse		
t.		:1			:	1			Dat	e Revise	d: 28/01	/2023
	.:			.:						, i		
_	_			IFICAT	_							
	ict Name:			nloride	1.1.1	'			'			'
						1					:	e l'
Releva	ant identif	fied us	es of t	he substa	nce: S	cientif	fic resear	ch and	develo	opment		
Suppl	ier details	:										
	ord Advanc			m	;			1.1.1			;	'
Tel: (9	49) 407-89	904	:			1		:			t.	e l'
Addres				ake Fores								
		,		.:	,							
SEC		2. H <i>i</i>	<b>\ZA</b> F	RDS ID	ENT	IFIC		J ::	'		:	
Classi	fication of	the sub	ostance	e or mixture	<b>∋</b> : <sup>′</sup>	:			1		t.	÷.
Classi	fication ac	cording	to Re	gulation (E	C) No	127,2/2	8008				1	
The su	ubstance is	s not cl	assified	d as hazaro	dous to	health				ording to		
regula	tion.											
Classi				ective 67/5							,	
N/A		, <sup>1</sup>	:		:	:		:			÷.	i.
Inform	ation conc	erning	particu	llar hazard	s for hı	ıman a	and enviro	nment:				
												1
	ta available											

No data available

Label elements		:		;			1	:				
Labelling accordir	ng to Reg	gulatio	n (EC) No	o 1272/	2008							
N/A		. '				.:						.:
Hazard pictogram												
N/A		. '						'				
Signal word	1	:	1.1.1	:	:		1	1		1	t.	
N/A			1									:
Hazard statement			1	1	1		1	1			1	,
N/A		.'										
WHMIS classifica												
Classification sys	tem	:		;						1	1	
HMIS ratings (sca	ale 0-4)	. '										.:
(Hazardous Mater	rials Ider	ntificati	ion Syste	m)								
HEALTH	:·· .	. '			'					: ' '	'	
FIRE												
REACTIVITY				;	;		1	1		1		
1		.'				.:			1			.:
0												
1		.'			· · <sup>1</sup>			'		; · · ·		
Health (acute effe	ects) = 1	:		:	1		1	1		i.	e e	
Flammability = 0												
Physical Hazard =	= 1											
Other hazards					1							
Results of PBT ar	nd vPvB	asses	sment		i i Č		1	11 <sup>2</sup>			1.1	
PBT:	:	:	1.1.1	:	:	1.1.1	1	:		t.	t.	
N/A			1	.'	. '	:			.:			;
vPvB:			i.	1	1		1	1		,		,
N/A												
							:					

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances					.:						
CAS No. / Substand	ce Name:										
7447-40-7 Potassiu	m chloride		; • •	<sup>1</sup>			'		111		
Identification number	er(s):										
EC number:				:	1 1 1		:		:		
231-211-8	·							, i			
ant and at	·		1 1 1 1	1		1.1.1 1					
SECTION 4.	FIRST			URE	S	; '	:			ť	
Description of first a lf inhaled:	id measur				.:			.1	d.		·
Supply patient with	fresh air. If	not breat	hing, p	rovide a	artificial re	spiratio	n. Keel	o patient	warm.		
Seek immediate me			1	1.1		1	1 1	1.1.1	1		
In case of skin cont	act:			:		÷	:		:	:	
Immediately wash v Seek immediate me			rinse th	norougł	ıly.			.:	al a		
In case of eye conta	act:		; • •	<sup>1</sup>					; • •	*	
Rinse opened eye f	or several	minutes u	nder ru	nning v	vater. Con	sult a p	hysicia	ın.			
If swallowed:			:	:		:			1	1	
Seek medical treatr	nent.										
Information for doct	or										
Most important sym	ptoms and	effects, b	oth acu	ute and	delayed		'				
	·								al a		
Indication of any im				-							
No data available								.:			

## SECTION 5. FIREFIGHTING MEASURES

Extinguishing media		:	:		:			:	e l	
Suitable extinguishing agen	its									
Product is not flammable. U	lse fire-fight								. '	
Special hazards arising from										
If this product is involved in	a fire, the f	ollowing	, can be	e release	ed:	'			'	
Hydrogen chloride (HCI)								:		
Potassium oxide Advice for firefighters	ji.						÷			.:
Protective equipment:	itor.	:	*		111			;··	<sup>1</sup>	
Wear fully protective imperv	vious suit.		e <sup>r</sup>		, î	e <sup>r</sup>		:	af i	

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipme	ent and	emerge	ency proc					
Use personal protective equipment. Keep	unprot	tected p	ersons av					
Ensure adequate ventilation								
Environmental precautions:								
Do not allow material to be released to th	e envir	onment	without o	fficial p	ermits.		; * *	
Do not allow product to enter drains, sew	age sys	stems, o	or other w	ater cou	urses.			
Do not allow material to penetrate the gro	ound or	soil.						
Methods and materials for containment a	nd clea	nup:						
Pick up mechanically.								
Prevention of secondary hazards:					'			
No special measures required.	:	; '		:			:	1
Reference to other sections								
See Section 7 for information on safe har		1	1	1	1	1		
See Section 8 for information on persona	l protec	tion eq	uipment.					
See Section 13 for disposal information.								

### SECTION 7. HANDLING AND STORAGE

Handling						.1			.:
Precautions for safe handling									
Handle under dry protective gas.	:**			111			111	'	
Keep container tightly sealed.									
Store in cool, dry place in tightly closed	d contair	ners.							
Information about protection against ex	xplosion	s and fi	res:						. :
The product is not flammable									
Conditions for safe storage, including a	any incoi	mpatibi	lities	1.1.1					
Requirements to be met by storerooms	s and red	ceptacle	es:,,,					i.	
No special requirements. Information about storage in one comm	non stora	age fac	ility:			.1			.:
	1 1 1 1			1 1 1 1				'	
Do not store together with acids.									
Store away from oxidizing agents.	;			1	1			÷.	
Further information about storage cond	ditions:								
Store under dry inert gas.									
This product is hygroscopic.	: **			111			: **		
Keep container tightly sealed.Store in	cool, dry	conditi	ions in w	ell-seale	d conta	iners.			
Protect from humidity and water.	t.			t.				l.	
Specific end use(s)			.1						
No data available									

# SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters Components with limit values that require monitoring at the workplace: None. Additional information: No data Exposure controls Personal protective equipment Follow typical protective and hygienic practices for handling chemicals. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Recommended filter device for short term use: Use a respirator with type N95 (USA) or PE (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. Protection of hands: Impervious gloves Inspect gloves prior to use. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. Material of gloves Nitrile rubber, NBR Penetration time of glove material (in minutes) 480 Glove thickness 0.11 mm

Eye protection:	:	: <sup>1</sup>			:		1	
Safety glasses								
Body protection:								
Protective work c	lothing	g						

							:	:	
SECTION 9. PHYSICAL AN									.:
Information on basic physical and chemic	al prop	erties							
Appearance:	; • •						: • •		
Form: Powder/crystalline/beads									
Color: White				:	:		÷		
Odor: OdorlessOdor threshold: No data a	vailable	<b>)</b> .				.:			.:
pH: N/A									
Melting point/Melting range: 773 °C (1423	B¦°F)								
Boiling point/Boiling range: 1500 °C (2732	2 °F) (s								
Sublimation temperature / start: No data a	availabl				1		1	;	
Flammability (solid, gas)									, i
No data available.									
Ignition temperature: No data available		1							
Decomposition temperature: No data avai	ilable								
Autoignition: No data available.									
Danger of explosion: Product does not pre	esent a	n explo	sion haza	ard.					.:
Explosion limits:									
Lower: No data available	1 1 1								
Upper: No data available	:			1	:		:	1	
Vapor pressure: N/A									
Density at 20 °C (68 °F): 1.984 g/cm	. '	.'		.'		.'			
3									
(16.556 lbs/gal)									
Relative density	;	;		:			i'		

e.	:			; '			, <sup>1</sup>		:	:	
		.:		, ' , '		, ' , '		, i		. '	.:
			;			1 1 1 1	'		(** 1		
scibility	with W	ater at 2	20 °C; (68	°F): 3	30 g/l				:		
ent (n-o	octanol	/water):	No data a	availab	le.			.:			.:
; • •	<sup>1</sup>		:	'	1.1.1	:			:**	'	
n	÷								:	ľ	
e		, i	. '								.:
	e. scibility ent (n-(	e. scibility with W ent (n-octanol/	e. scibility with Water at 2 ent (n-octanol/water):	e. scibility with Water at 20 °C (68 ent (n-octanol/water): No data a	e. scibility with Water at 20 °C (68 °F): 33 ent (n-octanol/water): No data availab	e	e. scibility with Water at 20 °C (68 °F): 330 g/l ent (n-octanol/water): No data available.	e. $a_1 = a_2 = a_1 = a_2 = a_1 = a$	e. The second s	e. scibility with Water at 20 °C (68 °F): 330 g/l ent (n-octanol/water): No data available.	e. The set of the set

								 111		
SECTION 10. S										
Reactivity	1			1		t.	÷	 :	÷	
No data available		.1			.1					
Chemical stability										
Stable under recommer	ided s	toräge co	onditions	) <u> </u>			'	 111	'	,
Thermal decomposition	/ cond	ditions to	be avoid	ded:			:	 :	:	
Decomposition will not o										
Possibility of hazardous	reacti	ons								
Reacts with strong oxidi	-	-								
Conditions to avoid	'		:**	<sup>1</sup>		111	' 	 111	'	,
No data available	:			;			: <sup>1</sup>	 :	÷.	
Incompatible materials: Acids		, ;			.:	, ' , '				
Oxidizing agents Water/moisture			:			1 1 1 1	'	 	'	
Hazardous decompositi	on pro	oducts:						 :	t.	,

		ı								
Hydrogen chloride (HCI)		:*	:		:	:			1	
Potassium oxide										
ant at an an an										
SECTION 11. TOXI	COLC	GICA	AL'IN	FURI		JN				
Information on toxicological e	ffects	:			e l'	1			t.	
Acute toxicity:										
The Registry of Toxic Effects										
substance.			'			'			'	
LD/LC50 values that are relev										
Oral LD50 2600 mg/kg (rat)		t,								
Skin irritation or corrosion:				.:			.:			
No irritant effect.										
Eye irritation or corrosion:			<sup>1</sup>		111			:**		
May cause irritation										
Sensitization:						1				
No sensitizing effects known.				.: .:						
Germ cell mutagenicity:										
The Registry of Toxic Effects	of Chemi	ical Subs	stances	(RTECS	6) contaii	ns muta	ation data	a for this		
substance.			. '						. '	
Carcinogenicity:			,		,	,			,	
No classification data on carc	inogenic	propertie	es of th	is materi	al is avai	lable fr	om the E	PA, IAR	С,	
NTP, OSHA or ACGIH.										
Reproductive toxicity:			· · · '					111	'	
No effects known.		1								
Specific target organ system t	toxicity - ı	repeated	l expos	ure:						
No effects known.										
Specific target organ system t		single ex	posure	:						
No effects known.									'	
Aspiration hazard:					;	1			1	

No effects known.

Subacute to chronic toxicity:

The Registry of Toxic Effects of Chemical Substances (RTECS) contains multiple dose toxicity data for

this substance.

Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

### **SECTION 12. ECOLOGICAL INFORMATION**

Toxicity			;		1	:1		t.	:
Aquatic toxicity:			. '	;	. *	. '			. '
No data available			ı	,				ï	
Persistence and degradabi	lity								
No data available									
Bioaccumulative potential			:			1		t.	1
No data available				.:					
Mobility in soil									
No data available			'			<sup>1</sup>		; • •	
Additional ecological inform	nation:		,						
Do not allow material to be	released to	the envi	ronme	nt withou	t official	permits	5.		1
						•			
Do not allow undiluted proc								s, or séwa	ige
Do not allow undiluted proc systems.								s, or séwa	ige
-	luct or large	quantitie	es to re		undwater	, water	courses		ige
systems.	luct or large	quantitie	es to re	each grou	undwåter	, water	courses		ige
systems. Avoid transfer into the envi Results of PBT and vPvB a PBT:	luct or large ronment.	quantitie	es to re	each grou	undwäter	, water			ige
systems. Avoid transfer into the envi Results of PBT and vPvB a PBT:	luct or large	quantitie	es to re	each grou	undwäter	, water			ige
systems. Avoid transfer into the envi Results of PBT and vPvB a PBT: N/AvPvB: N/A	luct or large ronment. assessment	quantitie	es to re	each grou	undwater	, water	courses		
systems. Avoid transfer into the envi Results of PBT and vPvB a PBT: N/AvPvB:	luct or large ronment. assessment	quantitie	es to re	each grou	undwater	, water	courses		

# SECTION 13. DISPOSAL CONSIDERATIONS Waste treatment methods Recommendation Consult official regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. SECTION 14. EXPOSURE CONTROLS/PERSONAL PROTECTION UN-Number

UN-Number										
DOT, ADN, IMDG, IATA								: • •		
N/A		,								
UN proper shipping name						-		:		
DOT, ADN, IMDG, IATA									$\mathcal{A}^{(1)}$	.:
N/A										
Transport hazard class(es)			'			<sup>1</sup>		: • •		
DOT, ADR, ADN, IMDG, IATA								:		
Class										
N/A										. :
Packing group										
DOT, IMDG, IATA										
N/A		:			1			:	1	
Environmental hazards:	:	. '					:			;
N/A	1	1	1	1	1	I			1	
Special precautions for user										
N/A										

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N/A		:	:		:			:	:			:	,
Transport/Additional information:													
DOT	1												,
Marine P	ollutant (	(DOT):											
No			'			'			'			'	

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

Safety, health and environmental regulati	ons/le	gislatio	on specific	c for the	substa	ince or m	ixture	'
National regulations								
All components of this product are listed i	n the	U.S. Ei	nvironmei	ntal Prot	ection	Agency -	Гохіс	÷
Substances Control Act Chemical substa	nce Ir	ventor	/- ;:					
All components of this product are listed of	on the	Canad	lian Dome	estic Sul	bstanc	es List (C	OSL).	
SARA Section 313 (specific toxic chemica	al listii	ngs)			'		111	*
Substance is not listed.								
California Proposition 65Prop 65 - Chemi					1		1	:
Substance is not listed.								11
Prop 65 - Developmental toxicity								
Substance is not listed.	; • •	<sup>1</sup>		:**	<sup>1</sup>		111	'
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 indiv	iduals	-			:			: '
Other regulations, limitations and prohibit	ive re	gulation	าร					
Substance of Very High Concern (SVHC)	acco	rding to	the REA	CH Reg	Julation	ns (EC) N	lo. 1907/	2006.
Substance is not listed.								
The conditions of restrictions according to							(EC) No	
1907/2006 (REACH) for the manufacturin	ıg, pla	icing or	the mark	ket and u	use mu	ist be ob	served.	ť

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.

prope		ne produ	01.										
:		:						i.				1	
	.1			.:			.1			.:			.1
'		111	'		; · ·	<sup>1</sup>			<sup>1</sup>			'	
:		e <sup>r</sup>			a' i	af i		e e	i.		:'	ť	
	.1	21						d.		.:		al a	.1
		111	'	1.1.1	:		1.1.1						
:		e'	i.		e <sup>r</sup>	e'		ť	ť		:'	i.	
	, i	21		.1				2		E		al a	.1
'			<sup>1</sup>			<sup>1</sup>							
ť		e <sup>n</sup>			a'	, <sup>1</sup>		e'	i.		:'	÷	
	I		I	1		1	1		1	1		I	