

SAFETY DATA SHEET

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14	1.						1		14	1		14. 14.
	CTION											
	uct Name				111	1			'		111	·
	#: 7440-0					.:	·			1		.:
_		19-1										
Relev	vant iden	tified us	ses of t	he subs	tance: S	Scientif	fic resea	rch and	develo	opment		÷.,
	lier detai											
	ord Advar				:**	1		111	1		111	·
	il: sales@ 040) 407											
	949) 407- ess: 2366							1	. '		1	
AUUE					<i></i>							
							1			4.		<u>.</u>
SEC	CTION	2. H	AZAI	RDS I				N	°		: * *	÷
SE(Class	CTION	2. H	AZAI bstance	RDS I	ure	, i	·	N :	°		: * *	÷
SE(Class GHS	CTION	of the sul	AZAI bstance	RDS I e or mixtu nce with	ure 29 CFR	1910 (OSHA H	N CS)	tu di Na		;** ; ; ;	·
SE(Class GHS Subsi	CTION sification c Classifica	of the sul	AZAI bstance accorda res, whi	RDS I e or mixtu nce with ich in cor	ure 29 CFR ntact with	1910 (n water	OSHA H , emit fla	N CS) mmable	gases(Category	, 1), H26	0
SE(Class GHS Subs Skin (CTION iffication c Classifica tances an corrosion(of the sul ation in a d mixtur (Categor	AZAI bstance iccorda es, whi y 1A),	RDS I e or mixtu nce with ich in cor H314	ure 29 CFR	1910 (n water	OSHA H , emit fla	N CS) mmable	gases(, 1), H26	0
SEC Class GHS Subs Skin o Serio	CTION sification of Classifica tances an corrosion(us eye da	of the sul ation in a d mixtur (Categor image(C	AZAI bstance iccorda es, whi y 1A), category	RDS I e or mixtu nce with ich in cor H314 y 1), H31	29 CFR	1910 (n water	OSHA H , emit fla	N CS) mmable	gases(Category	: 1), H26	0
SEC Class GHS Subs Skin o Serio Carci	CTION iffication of Classifica tances an corrosion(us eye da nogenicity	2. H of the sul ation in a d mixtur (Categor image(C y(Categor	AZAI bstance accorda res, whi ry 1A), I category pry 1A)	RDS I e or mixtu nce with ich in cor H314 y 1), H31 , H350	ure 29 CFR ntact with	1910 (n water	OSHA H , emit fla	N CS) mmable	gases(Category	; 1), H26	0
SEC Class GHS Subs Skin o Serio Carci GHS	CTION sification of Classifica tances an corrosion(us eye da nogenicity Label ele	2. H of the sul ation in a d mixtur (Categor image(C y(Categor	AZAI bstance accorda res, whi ry 1A), I category pry 1A)	RDS I e or mixtu nce with ich in cor H314 y 1), H31 , H350	ure 29 CFR ntact with	1910 (n water	OSHA H , emit fla	N CS) mmable	gases(Category	; 1), H26	0
SEC Class GHS Subs Skin o Serio Carci GHS Pictoo	CTION sification of Classifica tances an corrosion(us eye da nogenicity Label ele gram	2. H of the sul ation in a d mixtur (Categor mage(C y(Catego ments, in	AZAI bstance accorda res, whi ry 1A), I category pry 1A) pry 1A)	RDS I e or mixtu nce with ch in cor H314 y 1), H31 , H350 g precau	ure 29 CFR ntact with 8	1910 (n water	OSHA H , emit fla	N CS) mmable	gases(Category	: 1), H26	0
SEC Class GHS Subs Skin (Serio Carci GHS GHS	CTION sification of Classifica tances an corrosion(us eye da nogenicity Label ele	2. H of the sul ation in a d mixtur (Categor mage(C y(Catego ments, in	AZAI bstance accorda res, whi ry 1A), I category pry 1A) pry 1A)	RDS I e or mixtu nce with ch in cor H314 y 1), H31 , H350 g precau	ure 29 CFR ntact with 8	1910 (n water	OSHA H , emit fla	N CS) mmable	gases(Category	: 1), H26	0

			1.1.1				1.1.1					
Danger	н н 1		5		. :	1		.:	5		.:	·
Hazard statemer	nt(s)											
H260											14	÷.,
In contact with w				-			•		•			
H314Causes sev	vere ski	in burns	s and eye	damaç	je.			1			1	
H318			1	н н 1		1 	1 - 1 1	.:	1			÷
Causes serious o H350	əye dar	nage.			1.			Ч.,	÷,		`	÷.,
May cause canc	er,	1		;···	·			5			·	
Precautionary sta												
P201			1	н н Н		1	1 1 1	.:	1		.1	1
Obtain special in	structic	ons befc	ore use.		·			1. 1.			1. 1.	:
P202												
Do not handle ur	ntil all s	afety pr	ecautions	s have l	been re	ead and	understo	od., ,			1	
P223			1									
Keep away from												
P231 + P232		1. 1.						1. 1.			14	1
Handle under ine	ert gas.	Protect	t from mo	isture.								
P260	: • •	1		; • •			111	1		111	1 	
Do not breathe d	lust or r	mist.	5		1	1		:	5		:	·
P264				r.	ı		ı					
Wash skin thoro	ughly a	fter han	idling.			1			1			1
P280												
Wear protective	gloves/	/ protect	tive clothi	ng/ eye	protec	ction/ fac	e protect	ion.		111	1	
P281			1			1	· · ·	.:	5		.:	÷.,
Use personal pro												
P301 + P330 + F												÷.
IF SWALLOWED): Rinse	e mouth	n. Do NOT	Γ induce	e vomi	ting.						
P303 + P361 + F	2353							1 () 			1 () 	
IF ON SKIN (or h	hair): R	emove/	Take off	immedi	iately a	all contar	ninated c	lothing	. Rinse s	kin with		÷.,

water/ shower. P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P335 + P334Brush off loose particles from skin. Immerse in cool water/ wrap in wet bandages. P363 Wash contaminated clothing before reuse. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. P402 + P404 Store in a dry place. Store in a closed container. P405 Store locked up. P501 Dispose of contents/ container to an approved waste disposal plant. Hazards not otherwise classified (HNOC) or not covered by GHS Reacts violently with water. May form explosive peroxides.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: K

Molecular weight: 39.10 g/mol

			1.1.1	1 1 1		1.1.1		· · ·		1		
Hazardous comp	onents	5	·			1			1			·
Component												
Potassium									1		14	
CAS-No.												
7440-09-7				i								
EC-No.		.:	1	н н н		1. s.			1			1.1
231-119-8 Index-No.		14			14. 1	4,		14	4,		14. 1	1
019-001-00-2		·			·			·			·	
Classification												
Water-react.1; S	kin Cor	r.1 ['] A; E	Eye Dam	.1; H260	, H314				1			÷.,
Concentration		1.			1.			1.	1		1. 1.	1
>=90-<=100%												
Paraffin oils		·		:**	1.			·		: • •	1	
CAS-No. 8012-95-1			·	, , ,	.1	1			1. 	1 - 1 1	.1	÷.,
EC-No.		1. 1.	1		1.			1. 1.	1		1. 1.	
232-384-2												
Classification		1		1 1 1 1	·		111	1		111	·	
Carc.1A; H350		1	·			·		1	·		1	·
Concentration				i.							ı	
>=1-<5%		1. 1.	1					14			14	
·		1		1 1 1 1	1. 		1 A A	·		1 1 1 1	·	
SECTION 4	4. FIF	RST		MEAS	URE	S		.:	·			·
Description of firs General advice	st aid m	neasur	es			1		1 1 1	1.			1
Consult a physic	ian, Sh	ow this	s safety o	data she	et to th	e doctor	in attend	lance.				
Move out of dang	gerous			,			1					
If inhaled	н н н		1 1			1.00	н н н		1			÷.,

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a														
physician. In case of skin contact	Т.	:		1. 1.	:		Ч.,	÷.		14. 1				
Take off contaminated of Consult a physician.	•						•			'				
n case of eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.														
Rinse thoroughly with p	lenty of	water for	at least	15 min	utes and	consult	a phys	ician.						
Continue rinsing eyes d	uring tra	ansport to	hospita	', .			· .	· .		1.				
If swallowed														
Do NOT induce vomiting														
water. Consult a physici	an.					н н н		1						
Most important symptor	ns and	effects, bo	th acute	e and c	lelayed		·			·				
The most important kno and/or														
in section 11	`			·						1 				
Indication of any immed	iate me	dical atter	ntion an	d spec	ial treatme	ent need	ded	1						
No data available		÷.			÷.			÷.		14. 14.				
SECTION 5. FI		GHTIN	G ME	EASI	JRES									
Extinguishing media		1			1 			1 						
Suitable extinguishing n	nedia	1								1.				
							· ·	· ·						
Dry powder					',			, ,						
Dry powder Special hazards arising														
Special hazards arising Carbon oxides, Potassiu	from the	e substan	ce or m	ixture			1			°				
Special hazards arising Carbon oxides, Potassiu Advice for firefighters	from th	e substan	ce or m	ixture		;** 		 1		 .:				
Special hazards arising Carbon oxides, Potassiu	from th	e substan	ce or m	ixture		;** 				1 .:				

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SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precau	tions, pr	otective	e equipme	ent and	emerge	ency proce	edures	1. 1.	1,		
Use personal pro	otective	equipm	ent. Avoid	d dust fo	ormatio	n. Avoid b	reathin	g Vapo	ors, mist o	r gas.	
Ensure	111	'			1		; · · ·	1.1		: * *	
adequate ventila	tion. Eva	cuate	personnel	l to safe	areas.	Avoid bre	eathing	dust.	1		
For personal pro	tection s	ee sec	tion 8.								
Environmental p	recautio	าร				1					1.
Prevent further le	eakage o	or spilla	ige if safe	to do s	o. Do n	ot let proc	duct ent	ter drai	ns.		
Methods and ma	iterials fo	or conta	ainment a	nd clea	ning up		1.1.1	1 			1
Sweep up and sl cleaner	hovel. C	ontain	spillage, a	ind ther	collec	t with an e	electrica	ally prot	ected vac	uum	
or by wet-brushi	ng and p	lace in	container	for disp	oosal a	ccording t	o local	regulat	ions (see	section	13).
Do not flush with											
Keep in suitable,	closed	contain	iers for dis	sposal.				1 		111	1
Reference to oth	or optic										
	ler sectio	ns	1.1			1		.1	1		
For disposal see			·		.:	н - н н		.:			.:

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

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.Keep away from sources of

ignition -No smoking.

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

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

Never allow product to get in contact with water during storage.

Handle and store under inert gas.

Storage class (TRGS 510): Hazardous materials, which set free flammable gases upon contact with water

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated

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. Avoid contact with the eyes and skin.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Form: Solid

· · · · · · · ·												
Colour: grey			5	н н н	.:	'			1		.1	۰
Odor No data available												1.
Odor Threshold No data available		·			·		;••	·		;••	1	
рН	1 1	. :	·			·			1			·
No data available Melting point/freez			÷.		14. 1			н - н - н				1.
Melting point/rang	e: 64 °	C (147	°F)		·			·			·	
Initial boiling point	and bo	oiling ra										
774 °C (1,425 °F)	at 1,01	I3 hPa	(760 mml	Hg)		·			1 	н н Н	.:	1
Flash point No data available		1.	4.			4.		1.	4,			1.
Evaporation rate		1			1		;	1		;	5	
No data available Flammability (solid	d, gas)		1			<u>'</u>		.:	1. 			·
No data available		1. 1.				1,		1.			1.	1
Upper/lower flamr	nability	or exp	losive limi	ts								
No data available		·			1		111	1 1			1 	
Vapor pressure 0.12 hPa (0.09 mr					.:	5		1	5		1	÷.,
Vapor density		1.	1.		1.	1		14. 1	1.		14	1
No data available												
Relative density		·			· · ·							
0.860 g/cm3	1 1		1	1 1		1	· ·		1			÷.,
Water solubility No data available		1.	÷.					1.			1. 1.	1.
Partition coefficier	nt: n-oc	tanol/w	vater									
No data available		'			'			<u>'</u>			1	
Auto-ignition temp	erature	eNo dat	ta availab	le	.:	1		.1	1		.:	·

	· · ·		1 1 1				· · ·			
Decomposition temperat	ure	1	1 I		1			1		•
No data available										
Viscosity	14. 1	1.					1. 1.	1.	 14	÷.
No data available										
Explosive properties										
No data available		1	1 I 1		1	1		1		·
Oxidizing properties					:					:
No data available	,	1		1	1			i.		
Other safety information	·						·		 ·	
No data available										
	.:	·			1		.:	1	 	÷.,

SECTION 10. STABILITY AND REACTIVITY

Reactivity	'			1			·		111	5	
No data available			1 1		·			с.,		1	
Chemical stability							. '				
Stable under recommend	ed stora	ige condi	itions.	1. 1.	1		Ч.,	1.		14. 19	Ξ.
Possibility of hazardous r											
Reacts violently with wate	er.			1			`		: • •	1	
Conditions to avoid	.: ·.			.:	·		.:	·		.:	•
Exposure to moisture											
Incompatible materials	Ч., Ц., Ц., Ц., Ц., Ц., Ц., Ц., Ц., Ц., Ц	1	1.1.1					1		11	:.
Oxidizing agents, Strong	oxidizinę	g agents,	Carbo	n oxide	es, Reacts	violent	ly with	water., Re	eacts wi	th	
water to generate Hydrog	en gas.						1 		1.1.1	1 	
Hazardous decomposition	n produc	sts					.:				•
Other decomposition proc	ducts-No	o data av	ailable								
In the event of fire: see se		1									

SECTION 11. TOXICOLOGICAL INFORMATION

						1 1 1					
Information on toxicolog	gical effe	ects		.1	·		.:	1			·
Acute toxicity											
No data available		÷.									1
Inhalation: No data ava											
Dermal: No data availat				·			·			·	
No data available		1			1	1 - 1 1	.1	1	н н Н		·
Skin corrosion/irritation	·				1			:			
No data available	I			1	,		1	1		,	
Serious eye damage/ey	ve irritatio	on		·			·			·	
No data available											
Respiratory or skin sens	sitisatior	י ו	1		·	1 1 1	.:	1		.1	·
No data available	·	1		1.			1. 1.	1		1. 1.	1
Germ cell mutagenicity											
No data available	1						1. 		:	1	
Carcinogenicity					1						
IARC:	. '			.'			. '			. '	
1-Group 1: Carcinogeni	c to hun	nans(Para	affin oils	s) [*] (1.			1		1.	1
NTP:											
Known to be human ca	rcinogen	1		1			·		111	1	
The reference note has NTP (Paraffin oils)	been ad	dded by T	D base	d on th	e backgro	ound inf	ormatio	on of the	н н н	.:	·
OSHA:	1. 1.			1.	1		1.			14. 14	1
No component of this p	roduct p	resent at	levels g	greater	than or eo	qual to ().1% is	identified	as a		
carcinogen or potential	carcinog	gen by OS	SHA.				1. 		:**	1	
Reproductive toxicity		1			·			1			·
No data available											
No data available	14. 1	÷.								1.	1
Specific target organ to	xicity -si	ngle expo	sure								
No data available	1 1						1			'	
Specific target organ to	xicity -re	peated ex	xposure)	1	· · ·	.1	1			·

No data available	.1	·		1			1		.:	
Aspiration hazard										
No data available			 · · .							
Additional Information										
RTECS: Not available	 		 		111	·		1.1.1	1	

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, is eyes,

and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of

breath, Headache, Nausea

SECTION 12. ECOLOGICAL INFORMATION

Toxicity	1.			1.11		:	1		: * *	1 1	
No data available		1 	н н н		1			1 			
Persistence and degra					:		· .	:		· .	
No data available				ľ			,			1	
Bioaccumulative poter	ntial			·			·			·	
No data available											
Mobility in soil	.1	1.0			1	н н н		1.1		.:	
No data available				1.			1. 1.	1		1. 1.	
Results of PBT and vF	vB asse	essment									
PBT/vPvB assessmen	t not av	ailable as	s chemic	al safe	ty asses	sment no	ot requi	red/not c	onducted	d .	
Other adverse effects											
No data available		1 			1 			·		.1	
		1						1			

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

	1. 					.:			
SECTION 14. TRA	ANSPO		FOR	MATI		·	:		·
DOT (US)									
UN number: 2257			·			1		111	1
Class: 4.3 Packing group: I	1	н н н			1 I 1			н н н	.:
Proper shipping name: Pota	assium		1. 1.	1.		14. 14.	1.		14
Reportable Quantity (RQ):									
Poison Inhalation Hazard: N	No	111						111	1
IMDG	5	1 - 1 1	, i	1	н н н	. i	1		.1
UN number: 2257 Class: 4.3	4		· .	1 1 1		· .	, ,		· .
Packing group: I EMS-No: F-G, S-N		; <i></i>	۰		1 1 1 1	'		;···	·
Proper shipping name: POT	TASSIUM			1	1 I		1		
IATA UN number: 2257	4		1. 1.	:		Ч.,	÷.,		¹ •.
Class: 4.3 Packing group: I			'			'			·
Proper shipping name: Pota	assium			1. 	1 I 1		1. A.		

SECTION 15. REGULATORY INFORMATION

SARA 302 Comp					·		; • •	1		111	1 	
No chemicals in	this ma	terial a	re subject	to the	reportir	ng requirer	nėnts o	of SARA	A Title III,	Section	302.	
SARA 313 Com	onents	;			۰,							
This material doe	es not c	ontain										
threshold (De Mi	nimis) r	reportir	ng levels e	stablisl	ned by	SARA Title	e III, Se	ection 3	13.		·	
SARA 311/312 H												
Reactivity Hazar	d, Acute	e Healt	h Hazard,	Chron	ic Healt	h Hazard			1 1			
Massachusetts F												
Potassium												
CAS-No.		1			·			·			·	
7440-09-7									,			
Revision Date				ı	, '	1	,	. '			. '	
1993-04-24						1						
Paraffin oils												
8012-95-1	: 11	1			1			1			'	
2007-03-01			1		. :	1			1		.:	
Pennsylvania Rig	ght To ł	Know C	Componer	its								
Potassium		<u>''</u>			· · .	1		1.				
CAS-No.												
7440-09-7					1 1 1			`			1 	
Revision Date			1	н н Н		1	· · ·		1			
1993-04-24		· .			· .				1			
Paraffin oils											· .	
8012-95-1		·						·			·	
2007-03-01												
New Jersey Righ	nt To Kr	now Co	mponents	5				.1	1. 	н н Н	1	

Potassium			1			1		.1	1		.1	÷.,
CAS-No.												
7440-09-7Revi	sion Da	te	1.						1			1
1993-04-24												
Paraffin oils		1.1						·				
8012-95-1			1			1.0			1		.1	·
2007-03-01		· .	:		· .	1		· .	;			:
California Prop					1	1		ł	1			
WARNING! Th	is produ	ict cont	ains a ch	emical k	known t	o the Sta	te of Ca	lifornia	to cause	cancer.	·	
Paraffin oils												

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.

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	1		; · ·	1		:**			111				1	
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	с. С.	4,		14. 1				4 4			÷.			:
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