

SAFETY DATA SHEET

			1	¹	1.1.1	с. С.	· . '		Date	Access	ed: 25/08	8/2023
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:	.:		:						1			:
	TION											
	'						'	1 1 1	1.		111	14
Produ	ict Name	: Ammo	onium E	Dihydrog	en Phosp	ohate						
CAS	#: 7722-7	6-1										
Relev	ant ident	tified us	ses of t	he subs	stance: S	Scienti	fic resea	rch and	develo	opment		
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	lier detai		toriolo									
Stanic	ord Advar	iced ivia	lienais		111	14			14		111	14
	l: sales@											
Tel: (9	949) 407-	8904			1.			· .			14	
Addre	ss: 2366′						J.S.A.					
Addre					est, CA 9		J.S.A.					:
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SEC	.:	2. H	AZAI	RDSI	DENT	TIFIC		N	1. 1.	*	:	1. 1.
SEC	CTION	2. H	AZAI	RDS I	DENT ure in ac	TIFIC	ATIO ce with 2	N 9 CFR 1	910 (O	SHA HC	:S)	* . • .
SEC Classi GHS0	CTION	2. H	AZAI bstance	RDS I	DENT	TIFIC	ATIO ce with 2	N 9 CFR 1	910 (O	SHA HC	:S)	* . • .
SEC Classi GHS0 Skin Ii	CTION ification o 7 rrit. 2 H31	2. H of the sul	AZAI bstance	RDS I	DENT ure in ac	TIFIC	ATIO ce with 2	N 9 CFR 1	910 (O	SHA HC	:S)	* . • .
SEC Classi GHS0 Skin Ii	CTION	2. H	AZAI	RDS I	DENT ure in ac	TIFIC	ce with 2	N 9 CFR 1	910 (O	SHA HC	:S)	
SEC Classi GHS0 Skin li es ski Eye Ir	CTION ification o 7 rrit. 2 H31 n irritatior rit. 2A H3	2. H of the sul 15 Caus n. 319 Caus	AZAI bstance	RDS I	DENT ure in ac	TIFIC cordan	ATIO	N 2007 19 CFR 1	910 (O	ISHA HC	S)	
SEC Classi GHS0 Skin li es ski Eye Ir	CTION ification o 7 rrit. 2 H31 n irritatior rit. 2A H3	2. H of the sul 15 Caus n. 319 Caus	AZAI bstance	RDS I	DENT ure in ac	TIFIC cordan	ATIO	N 2007 19 CFR 1	910 (O	ISHA HC	S)	
SEC Classi GHS0 Skin li es ski Eye lr STOT	CTION ification o 7 rrit. 2 H31 n irritatior rit. 2A H3 SE 3 H3	2. H of the sul 15 Caus n. 319 Caus 35 May	AZAI bstance ses ser cause	RDS I e or mixt ious eye respirato	DENT ure in ac	TIFIC cordan	ATIO	N 9 CFR 1	910 (O	SHA HC	:S) '.	
SEC Classi GHS0 Skin II es ski Eye Ir STOT Hazar	CTION ification o 7 rrit. 2 H31 n irritatior rit. 2A H3	2. H of the sul 15 Caus n. 319 Caus 35 May herwise	AZAI bstance ses ser cause	RDS I e or mixt ious eye respirato	DENT ure in ac	TIFIC cordan	ATIO	N 9 CFR 1	910 (O	SHA HC	S)	

GHS label elements

GHS label elements, including precautionary statements

			1			1 1 1	· · .		1		
Hazard pictogram	S	· · ·	1.		н н н	1. 1.			1. 1.		
GHS07											
Signal word											
Warning											
Hazard statement	S										
H315 Causes skir	r irritation.H	1319 Caus	ses serio	ous eye	irritation	-		1 - 1 1	1. 1.		
H335 May cause	respiratory	irritation.			:			:			:
Precautionary stat	tements	1	t	r.	t.		,	1		1	
P261											
Avoid breathing d	ust/fume/ga	as/mist/va	pors/spr	ay.							
P280			14	1 I 1	1 I 1				14		
Wear protective g	loves/prote	ctive cloth	ning/eye	protect	ion/face	protectio	n.				
P305+P351+P338	3 IF IN EYE	S: Rinse	cautious	ly with	water for	r several	minute	s. Remo	ve conta	ct	
lenses, if present	and easy to	o do <u>.</u> Cont	tinue rins	sing.			۰.		; • •	1.	
P304+P340											
IF INHALED: Rem	1	n to fresh									
IF INHALED: Rem P405	nove persor	n to fresh	air and k	keep co	omfortabl	e for brea	athing.				
	nove persor	n to fresh	air and k	keep co	omfortabl	e for brea	athing.				
P405	nove persor	n to fresh	air and k	keep cc	omfortabl	e for brea	athing.				
P405 Store locked up.	nove persoi	n to fresh	air and k	keep cc	omfortabl	e for brea	athing.	*		· .	
P405 Store locked up. P501 Dispose of conten WHMIS classificat	nove persor nts/containe tion	n to fresh er in accor	air and k dance w	vith loca	omfortabl Il/regiona	e for brea al/nationa	athing. I/intern	ational r	egulation	IS.	
P405 Store locked up. P501 Dispose of conten	nove persor nts/containe tion	n to fresh er in accor	air and k dance w	vith loca	omfortabl Il/regiona	e for brea al/nationa	athing. I/intern	ational r	egulation	IS.	
P405 Store locked up. P501 Dispose of conten WHMIS classificat D2B - Toxic mater Classification syst	nove person its/containe tion rial causing	n to fresh er in accor other tox	air and k dance w ic effects	vith loca	omfortabl	e for brea	athing. I/intern	ational r	egulation	IS.	
P405 Store locked up. P501 Dispose of conten WHMIS classificat D2B - Toxic mater	nove person its/containe tion rial causing	n to fresh er in accor other tox	air and k dance w ic effects	vith loca	omfortabl	e for brea	athing. I/intern	ational r	egulation	IS.	
P405 Store locked up. P501 Dispose of conten WHMIS classificat D2B - Toxic mater Classification syst	nove person nts/containe tion rial causing tem tem	n to fresh er in accor other tox	air and k dance w	vith loca	omfortabl	e for brea	athing. I/intern	ational r	egulation	IS.	
P405 Store locked up. P501 Dispose of conten WHMIS classificat D2B - Toxic mater Classification syst HMIS ratings (sca	nove person nove person tion rial causing tem le 0-4) rials Identifi cts) = 1	n to fresh er in accor other tox	air and k dance w ic effects stem)	vith loca	omfortabl	e for brea	athing. I/intern	ational r	egulation	IS.	
P405 Store locked up. P501 Dispose of conten WHMIS classificat D2B - Toxic mater Classification syst HMIS ratings (sca (Hazardous Mater	nove person tis/containe tion rial causing tem tem tle 0-4) rials Identifi	n to fresh er in accor other tox	air and k dance w ic effects stem)	vith loca	omfortabl	e for brea	athing. I/intern	ational r	egulation	IS.	
P405 Store locked up. P501 Dispose of conten WHMIS classificat D2B - Toxic mater Classification syst HMIS ratings (sca (Hazardous Mater Health (acute effe Flammability = 0	nove person tis/containe tion rial causing tem tle 0-4) rials Identifi cts) = 1	n to fresh er in accor other tox	air and k dance w ic effects	vith loca	omfortabl	e for brea	athing. I/intern	ational r	egulation	IS.	
P405 Store locked up. P501 Dispose of conten WHMIS classificat D2B - Toxic mater Classification syst HMIS ratings (sca (Hazardous Mater Health (acute effe Flammability = 0	nove person tis/containe tion rial causing tem tle 0-4) rials Identifi cts) = 1	n to fresh er in accor other tox	air and k dance w ic effects	vith loca	omfortabl	e for brea	athing. I/intern	ational r	egulation	IS.	
P405 Store locked up. P501 Dispose of conten WHMIS classificat D2B - Toxic mater Classification syst HMIS ratings (sca (Hazardous Mater Health (acute effe Flammability = 0 Physical Hazard =	nove person hts/containe tion rial causing tem ile 0-4) rials Identifi cts) = 1	n to fresh er in accor other tox	air and k dance w ic effects stem)	vith loca	omfortabl Il/regiona	e for brea	athing. I/intern	ational r	egulation	IS.	

PBT:										÷.,		
N/A vPvB:	.:	:	.1	÷.	l'		÷.		1	÷.	e ^r	.:
N/A		 5. 1	¹	111	1.	'	;···	1. 1.			1. 1.	

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SEC	TION 3.	CO	MPOSI	TION/	INFO	RMA	TION	ON	INGR	EDIEN	ITS

Substances CAS No. / Substance Name: 7722-76-1 Ammonium dihydrogen phosphate Identification number(s):

EC number: 231-764-5

SECTION 4. FIRST AID MEASURES	``.				
Description of first aid measures	1	i.			t.
If inhaled:					
Supply patient with fresh air. If not breathing, provide artificial resp	oiration	. Keep	patient w	arm.	14
Seek immediate medical advice.	·				
In case of skin contact:					
Immediately wash with soap and water; rinse thoroughly.				1	
Seek immediate medical advice. In case of eye contact:		5. 19		: · ·	1. 1.
Rinse opened eye for several minutes under running water. Cons	ult a pl	nysicia	n. (1. 1.	
If swallowed:Seek medical treatment. Information for doctor	÷.,	;	ji.	÷.,	:
Most important symptoms and effects, both acute and delayed		· .			
No data available					· .
Indication of any immediate medical attention and special treatme	ent nee	ded	1 I	14	

	1.			· · .				'		1.
No data available	1 I 1	і і і		1 1			1 I 1	1 1		· · ·
	:	.:							1. 1.	:
SECTION 5. FI	REFIG	HTIN	G ME	EASI	JRES					
Extinguishing media	с. С.	¹	; · ·	1.	¹	: · ·			:**	
Suitable extinguishing	agents			1 I 1		1.	1 I		1.	
Product is not flammab	ole. Use fir	e-fighting	measu	ures the	at suit the	surrour	nding fi	re.		
Special hazards arising	g from the	substanc	e or m	ixture			1			
If this product is involve	ed in a fire	, the follo	wing c	an be r	eleased:					
Nitrogen oxides (NOx)				ı						
Phosphorus oxides				1 1			1 - 1 1		14	
Ammonia		.:	1	.'			:	.:	1	
Advice for firefighters										
Protective equipment:	1. 1.	'		۰.		1 1 1 1	1.		; • •	
Wear self-contained re	spirator.									
Wear fully protective in	npervious	suit.	· .		,	1.				
		:	:					1	1	
SECTION 6. A	CCIDE	NTAL	REL	EAS	SE ME	ASU	RES			
Personal precautions,	protective	equipme	nț and	emerge	ency proce	edures				
Use personal protective	e equipme	ent. Keep	unprot	ected p	persons a	way.				
Ensure adequate venti	lation	.:	1	1			1	.:	1	t.
Environmental precaut	ions:									
Do not allow material to	o be relea	sed to the						1.1 ¹		
Methods and materials	for conta	inment ar	nd clear	nup:	· · ·		1 - 1 1		1. 1.	
Ensure adequate venti	lation.			: ¹		÷.,	:			:

Prevention of secondary hazards:

No special measures required.

Reference to other sections

See Section 7 for information on safe handling

		· · .				
See Section 8 for information on personal protection equipment.	·			1.		
See Section 13 for disposal information.			.:		:	
SECTION 7. HANDLING AND STORAGE		1.	'		÷.,	
Handling				1.		
Precautions for safe handling Keep container tightly sealed.	1	ť	.1	1.	ť	.:
Store in cool, dry place in tightly closed containers.		·			·	
Ensure good ventilation at the workplace.						
Information about protection against explosions and fires:	11			1 · .		
The product is not flammable		:		1	:	.:
Conditions for safe storage, including any incompatibilities						
Requirements to be met by storerooms and receptacles:	1 - 1 - 1 1	1. 1.		: * *	1. 1.	
No special requirements. Information about storage in one commo	on stora	age fao	cility:			
Store away from oxidizing agents.	· .			· .		
Further information about storage conditions:	1			1		.:
Keep container tightly sealed.						
Store in cool, dry conditions in well-sealed containers.	1 1 1	1. 1.		111		
Specific end use(s) No data available	1. 1.			1.	· · ·	
			;			:

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.	1. 1.		· · ·			н н н	1. 1.			1. 1.		
Additional inform		:		1,	;	.:		:	.1		:	.:
Exposure control Personal protecti	111	inment		1 1 1 1	1.		1 1 1 1					'
Follow typical pro	-	-		actices	for har	ndlina che	micals	1 1		· .		
Keep away from							inicqie.					
Remove all soiled						telv	1					.:
Wash hands befo						tory.						
Avoid contact wit		11.									14	'
Maintain an ergo				orking	enviror	ament	1. 1.			1.		
Breathing equipm			iah conco							1		. :
Use suitable resp			-		-							
Protection of han		1.			1			1.		: * *	1.	'
Impervious glove Inspect gloves pr	1.	ise.	1 I.	14. 1	, , ,			, , ,		5. 1	н н н	
Suitability of glov by	es sho	uld be	determine	d both I	by mat	erial and	quality, t	the latt	er of which	n may v	ary	.1
manufacturer.		1. 1.		: • •	·			·		: **		
Penetration time	of glov	e mate	rial (in mir	nutes)								
No data available	;		1 I		1 1	1	1.					
Eye protection:		:		1	; '							
Safety glasses												
Body protection:		1.			۰.		; • •	1.			1. 1.	'
Protective work c	lothing].			· ·							

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:

	1.			1.			· ·			1.	
Form: Crystalline powde	er		۰.			·			·		
Color: No data available											
Odor: Odorless	:		1	:		1	:		1	i.	1
Odor threshold: No data											
pH: N/A					· · · '						
Melting point/Melting rar	nge: 19	0 °C (374	°F)	· · ·	1 I 1			н н н	14. 1		
Boiling point/Boiling ran	ge: No										
Flammability (solid, gas)		ı	1				,			
No data available.	· .			· .			۰.				
Ignition temperature: No	o data a	vailable									
Decomposition tempera	ture: N	o data ava	ailable		1 I				14.		
Autoignition: No data av	ailable	:	1	1		1			÷.	:	
Danger of explosion: No	o data a	vailable.									
Explosion limits:	1. 1.			1. 1.		; • •	1. 1.		: • •	1. 1.	'
Lower: No data available											
Upper: No data availabl	е				1	· .					
Vapor pressure: N/A	:				.:	÷.,			÷.,	al an	. 1
Density at 20 °C (68 °F)	: 1.803	g/cm									
3	1.					: • •	1.		: "		'
(15.046 lbs/gal)			·		1 I				1. 1.		
Relative density											
No data available.						1					
Vapor density											
N/A											
Evaporation rate		· · ·	1. 1.		н н н	1. 1.			14. 19	· · ·	
N/A		:	1	. '	:	:			:		:
Solubility in Water (H	ı		ſ	I	r	1	ı		,		
2	· .		1 1 1 1	۰.			· .				
O): No data available							,				
Partition coefficient (n-o	ctanol/	water): No	o data a	vailable	Ð.		1 I	1 I			

Viscosity:	·	1 I 1		1.	1 I 1		1.	· · ·		1. 1.		
Dynamic: N/A Kinematic: N/A		i.	.:	١,	, ¹	.:	÷.	: ¹	.÷		;	.:
Other information		14. 1		;··	14. 1		; · ·	14. 1			14. 14.	'

SECTION 10. STABILITY AND REACTIVITY

Reactivity	÷.,		: • •	·			1.		: • •	·	
No data available											
Chemical stability		н н н	14. 1		н н н						
Stable under recommer	nded st	orage con	ditions.	:		÷.,	:			e la compañía de la c	. :
Thermal decomposition											
Decomposition will not	occur if	used and	stored	accord	ing to spe	cificatio	ns.			1. 1.	
Possibility of hazardous	reactio	ons									
Reacts with strong oxid	izing ag	gents	۰.		ı	' ,		,	1.		
Conditions to avoid	:		1.			1	1			÷	
No data available											
Incompatible materials:	14		; * *		'		1. 1.	'	: • •	14. 14.	
Oxidizing agents			·			·			·		
Hazardous decompositi	ion prod	ducts:									
Nitrogen oxides			1.	:		1	i'			1	. :
Phosphorus oxides (e.g											
Ammonia	14		:					'	111	14. 1	

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects Acute toxicity: No effects known.

	· · .			, ,		1 1 1	· · ·		1 1 1	· · .	
LD/LC50 values that are	e releva	ant for clas	ssificati	ion:No d	data	·	1 1		·		
Skin irritation or corrosid	on:										
Causes skin irritation.									1		. :
Eye irritation or corrosio									,		
Causes serious eye irrit	ation.	'			· · · ·	1					
Sensitization:	1 I 1	· · ·	1. 1.		· · ·	1.					
No sensitizing effects kr		.:			.:	1	: '	.:	1	e la compañía de la c	
Germ cell mutagenicity:											
No effects known.	۰.			1.			1.		: • •		
Carcinogenicity:											
No classification data or	n carcir	nogenic pr	opertie	s of this	s material	is avail	able fro	om the EP	A, IARC	С,	
NTP, OSHA or ACGIH.	:			:		1	, ¹	.) -		÷	.:
Reproductive toxicity:											
No effects known.	1.		1 1 1 1	1.			1. 1.		111		'
Specific target organ sy			-								
No effects known.	1						1		1. 1.	1	
Specific target organ sy	stem to	oxicity - sir	ıgle ex	posure:			:	.1		:	.1
May cause respiratory in											
Aspiration hazard:	1. 1.			Т.			1. 1.		111	14	'
No effects known.			·			· .					
Subacute to chronic tox	cicity:										
No effects known.	ť	.1				1	÷.		1	t.	.:
Additional toxicological											
To the best of our know	ledge t	he acute a	and chr	onic to	kicity of thi	is subst	ance is	s not fully l	known.	14	'

SECTION 12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity:

No data available

	1.1	1				1			1	
Persistence and degradability		·			÷.,			÷.,		
No data available										
Bioaccumulative potential		1			1	t.	.1		1	. :
No data available										
Mobility in soil	· · · '		1.	· · · ¹	1	14	· · · [*]		14	
No data available	н н н	1. 1.		· · ·	1. 1.			14		
Additional ecological information	on:	1			1					
Do not allow material to be rele	eased to t	he env	ironme	nt withou	ut official				1	
Do not allow undiluted product	or large	quantiti	es to re	each gro	undwate	r, water	courses	, or sewa	age	
systems.			,							
Avoid transfer into the environr	ment.	1. 1.			14		1 - 1 1	14		
Results of PBT and vPvB asse	ssment				1					
PBT:										
N/A		; • •	1. 1.		:**	1. 1.		:**	1. 1.	
vPvB:										
N/A					14.					
Other adverse effects	.1	1			1	1				
No data available										
- the second										

SECTION 13. DISPOSAL CONSIDERATIONSWaste treatment

Recommendation

Consult official regulations to ensure proper disposal.

Uncleaned packagings:

Commendation:

Disposal must be made according to official regulations.

SECTION 14. TRANSPORT INFORMATION

methods

·	· · ·		1			1 1 1	· · .		1	· · ·	
UN-Number			÷.,			1. 1.	1 - 1 1		÷.,		
DOT, ADN, IMDG, IA											
N/A	1			:							
UN proper shipping r											
DOT, ADN, IMDG, IA	ATA							'			
N/A			1. 1.	1 - 1 1			1 - 1 1				
Transport hazard cla	ss(es)		:		:	:				:	
DOT, ADR, ADN, IM	DG, IATA	A		i	1		i			1	
Class	· .	*		· .		111	· .			· .	
N/A				1			,				
Packing group	· · ·		с. С.			14			14		
DOT, IMDG, IATA		.:		:	.: .:		:	j:	1	1	į.
N/A											
Environmental hazar	ds:				¹		1. 1.				'
N/A			,			1					
Special precautions f	for user	ı		,	ı	· .					
N/A		.÷			.:	÷.,		, i	1		.1
Transport in bulk acc	ording to	Annex	II of MAR	POL73	/78 and	the IBC (Code				
N/A		'			1. ¹	1.1.1			111	14	'
Transport/Additional	informati	on:				·					
DOT											
Marine Pollutant (DO	DT):			:	.:		1	.1	1	i.	
No											
			1 - 1 - 1 1		1. C		14		111	$(-1)_{i,j}$	

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture GHS GHS label elements, including precautionary statements Hazard pictograms

GHS07

							· .			÷.	
Signal word	5. S.		1.	1 I	1 - 1 1						
Warning											
Hazard statement	IS										
H315 Causes skir	n irritation.										
H319 Causes seri	ious eye irrita	ation.	1			1	1		1	1.	
H335 May cause	respiratory ir	ritation.		1 1	· · ·	1. 1.	1 - 1 - 1	· · ·	14		
Precautionary sta P261	tements		Ξ.			:	1		÷.,	:	
Avoid breathing d	ust/fume/gas	/mist/vapc	ors/spra	IУ-,			1.				'
P280				,			'				
Wear protective g	loves/protect	ive clothin	g/eye p	protecti	on/face pr	otection	· ·				
P305+P351+P338 contactlenses, if p		1			1	everal n	ninutes	. Remove		:	
P304+P340				· .							
IF INHALED: Ren											
P405		1 I	1. 1.		1 I			н н н			
Store locked up.				:		÷.,	i.		÷.,		
P501											
Dispose of conten	nts/container	in accorda	ance wi	th local	/regional/r	national	/interna	ational reg	ulations	5.	'
National regulatio	ns										
All components of	f this product	are listed	in the l	J.S. Er	vironment	al Prote	ection A	gency To	xic		
Substances Contr	rol Act Chem	ical substa	ance Inv	ventory	<u>.</u>	÷.,		.1	÷.,	1	, i
All components of	f this product	are listed	on the	Canad	ian Domes	stic Sub	stance	s List (DS	L).		
SARA Section 31	3 (specific to	xic chemic	al listin	gs)		; · · ·			111	14	'
Substance is not I	listed.		·			·			·		
California Proposi	ition 65										
Prop 65 - Chemic	als known to	cause car	ncer			1	1		1	: ¹	
Substance is not I	listed.										
Prop 65 - Develop	omental toxic	ity				1.1.1	14		111		'
Substance is not l	listed.	н н н	14. 14.	1 I 1		1.		1 - 1 1	1. 1.		

Prop 65 - Developmental toxicity, female			1				
Substance is not listed.							
Prop 65 - Developmental toxicity, male				t.	.1	1.	t.
Substance is not listed.							
Information about limitation of use:				14	· · · '		14
For use only by technically qualified individua	als.				· · ·	14. 14.	
Other regulations, limitations and prohibitive	regulatio	ns	1				
Substance of Very High Concern (SVHC) ac	cording to	o the RE	ACH Reg	ulation	s (EC) N	lo. 1907/2	2006.
Substance is not listed.							
The conditions of restrictions according to Ar							
1907/2006 (REACH) for the manufacturing, p	placing or	n the ma	rket and u	ise mu	ist be ob	served.	
Substance is not listed.					.1		
Annex XIV of the REACH Regulations (requi							
Substance is not listed.	·			1.			
Chemical safety assessment:							
A Chemical Safety Assessment has not beer	n carried	out.	1.		н н н		

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.