

SAFETY DATA SHEET

	:	111							Date	Accesse	d: 25/08	/2023
'	1	:	'	1		¹	1		Dat	e Revise	d: 11/12	/2022
, i	н н н			1 - 1 1			1 I		.:	1 - 1 1	;	, i
SEC	TION	1. ID	ENTI	FICA	TION							
	ict Name	: Magne	esium C	hloride								
CAS #	#: 7786- 3	0-3				¹		÷.		1	÷.	
Relev	ant iden	tified us	ses of th	ne subst	ance: S	Scientif	fic resea	rch and	develo	opment		
Suppl	lier detai	ls:										
	ord Advar I: sales@				1 1 1 1		:'		1	:'		
Tel: (9	949) 407-	8904		1	:	¹		:		÷.,		'
Addre	ss: 2366′			ake Fore				:				
		,				,		,		,	,	
SEC	TION	2. H	AZAF	rds II	DENT	IFIC	ΑΤΙΟΙ		1	÷	: ' '	-
Classi	fication o	of the su	bstance	or [:] mixtu	re	¹		:		÷.	:	'
Classi	fication a	ccordin	g to Reg	julation (EC) No	1272/2	2008					:
The s	ubstance	is not c	lassified	as haza	rdous to	o health	n or the e					
regula	ition.			. '					1			:
Classi	fication a						irective 19					
N/A	1	÷.	1.1	1	:	¹		÷.	¹	1.	:	'
Inform	nation cor	ncerning	ı particul	ar hazar	ds for h	uman a	and enviro	onment:	. 1		e la compañía de la c	
No da	ta availat	ole										
Hazar	ds not ot	herwise	classifie	ed		;						:

No data available

		1				1 1 1	1				1
Label elements		1				1			:	'	Ξ.
Labelling according to F											
N/A	. '			, '		:	. '		:	. '	
Hazard pictograms N/A		;	, , , , ,	:	:			a".		:	:
Signal word			:	¹		:			÷	'	Ξ.
N/A Hazard statements	1		ť	.:		i.	.1		ť	.:	
N/A WHMIS classificationNo			1 1 1 1	-	:	;••		l'		:	:
			:	¹		1			:	'	Ξ.
HMIS ratings (scale 0-4)			.:		:	.:			.1	
(Hazardous Materials Ic				,	,	,	,	,		,	
HEALTH		: :				: ' '		:	: • •		
FIRE		1	:ť		:.			4.	:	'	1
			i.			ť	.:	i i	ľ	.:	
0 1 · · · · · · · · ·				;	e l'	:		a' -	;••	:	:
Health (acute effects) = Flammability = 0	1		e ^r	'	:	i.		4	i.		
Physical Hazard = 1	.:	1 I	ť			ľ	.:	н н н	ľ	.:	
Other hazards	:			1			1				
Results of PBT and vPv	B asse	ssment		1	i.		ı				
PBT:						1	'	1.			Ξ.
N/A vPvB:	.:		: ¹	.:		:	.:	a a a	:	.:	
N/A :: :' :''		1	1.1.1						1.1.1		:
	'		:	'	÷.			÷.,	:	'	1

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances				;	1 I			1 - 1 1		
CAS No. / Substance Na	ame:									
7786-30-3 Magnesium c	hloride,	anhydrou	S	:			:	:	: ' '	-
Identification number(s): EC number:	'	÷.	:		1.	:	'	:	: ¹	'
232-094-6	.:		:	.1		:			: ¹	.1
			;						;	:
SECTION 4. FIF			ASL	JRES)					
Description of first aid m If inhaled:	easures			.1			.1			.:
Supply patient with fresh	air. If n	ot breathi	ng, pro	vide art	ificial resp	piration.	. Кеер р	patient wa	rm.	
Seek immediate medica	l advice.	:	1	1		1	:	1	1	:
In case of skin contact:		1	1			1	'		1	¹
Immediately wash with s	oap and	l water; rii	nse tho	roughly		. '	:			:
Seek immediate medica	l advice.	•	1				1		i.	
In case of eye contact:						1 1 1		-		
Rinse opened eye for se	veral mi	nutes und	der runi	ning wa	ter. Consi	ult a ph	ysician.			
If swallowed:				'			'	1.		1.1 ¹
Seek medical treatment.		н н н		.:	i i					.:
Information for doctor										
Most important symptom	ns⊧and e	ffects, bot	th acute	e and de	elayed	; • •	-	1	; • •	
No data available Indication of any immedi								:	: T	'
No data available									:	.:

SECTION 5. FIREFIGHTING MEASURES

		111			1 1 1				
Extinguishing media					:				 1
Suitable extinguishing agents	6								
Product is not flammable. Us	e fire-figh	ting mea	asures	that suit t	he surro	unding	fire.	÷.	
Special hazards arising from	the subst	ance or	mixture	9					
If this product is involved in a	fire, the f	ollowing	can be	e release	d:				
Hydrogen chloride (HCI)		: 1	¹		:	¹	1	:	 1
Metal oxide fume			:					.*	
Advice for firefighters	ï		ı		,				
Protective equipment:		; • •	1						
Wear self-contained respirate				ı			,		
Wear fully protective impervio	ous suit.	:	· · '		:'		1	:	 1

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipme	ent and	d emer	gency pr	rocedures	S ,				
Use personal protective equipment. Keep	o unpro	otected	person	s away.		· .	1		
Ensure adequate ventilation		.1	н н 1			н н Н			
Environmental precautions:									
Do not allow material to be released to th	ie envi	ronme	nt withou	ut official	permits	S. (111		
Do not allow product to enter drains, sew	age sy	/stems	, or othe	r water c	ourses				
Do not allow material to penetrate the gro	ound o	r soil.							
Methods and materials for containment a	nd cle	anup:	1 - 1 1						
Pick up mechanically. Prevention of secondary hazards:	;	}	4 4 4		:	- 4 - 4 - 4		:	
No special measures required.	1	· · ·				1			
Reference to other sections See Section 7 for information on safe har				;	.:		:	.:	
See Section 8 for information on personal See Section 13 for disposal information.	Il prote	ection e	quipmer	nt.	:	:			

									:
SECTION 7. HANDLING	AND	STO	RAGE		'		t.	¹	1
Handling		.1	н н Н	:	, i		t.	,÷	
Precautions for safe handling									
Handle under dry protective gas.						t.	; • •		÷
Keep container tightly sealed.	. *	'	1	. '					
Store in cool, dry place in tightly closed	l contair			,					
Information about protection against ex	plosion	s and fi	res:		.1	н н н	t.	, i	
The product is not flammable									
Conditions for safe storage, including a	iny incoi	mpatibi	lities						
Requirements to be met by storerooms	and rec	ceptacl	es:			1	÷.	'	1
No special requirements.									
Information about storage in one comm	non stora	age fac	ility:	1			÷		
Store away from water/moisture.									
Store away from oxidizing agents.			e ⁿ						
Further information about storage conc	litions:			:		1	÷		1
Store under dry inert gas.		1			:			:	
This product is hygroscopic.	i.	ï	1	ı	1				,
Keep container tightly sealed.	: • •				:	. '		1	
Store in cool, dry conditions in well-sea									
Specific end use(s)	1			1		1	÷.		
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

	:			1	1		1			
Components with limit va	alues that requir	e monito	oring at	the workp	olace:			:		:
None.										
Additional information:					1					
No data										
Exposure controls						1				:
Personal protective equip	pment	:	¹	1	1	'	÷.,	: ¹		Ξ.
Follow typical protective	and hygienic pr	actices f	or hand	dling chen	nicals.	:	1 - 1		:	
Keep away from foodstu	ffs, beverages a	and feed.	1	,	,	1				
Remove all soiled and co	ontaminated clo	thing imr	nediate	ely.		1			:	
Wash hands before brea	ks and at the er	nd of wor	rk.	1		,				
Maintain an ergonomical	ly appropriate w	vorking e	nviron	ment.	:		1.	÷.	1.1 ¹	1.
Breathing equipment:		1			:	. :		e.		
Use suitable respirator w	hen high conce	entrations	s are pi	resent.						
Recommended filter dev	ice for short ter	m use:		i'	; · · ·	1	:	; • •		;
Use a respirator with type	e N95 (USA) or	PE (EN	143) c	artridges a	as a ba	ckup to	engineer	ing con	trols.	
Risk assessment should	be performed to	o determ	ine if a	ir-purifyin	g respi	rators a	ire approp	riate. O	nly	
use equipment tested an	d approved und	ler appro	priate	governme	ent stan	dards.		a f		
Protection of hands:										
Impervious gloves							:		-	;
Inspect gloves prior to us	se.	. 1	'	1			:			:
Suitability of gloves shou										
by				1 I	÷.		1 - 1 1	:	1	
manufacturer.										
Material of gloves							:			;
Nitrile rubber, NBR			'				÷.			:
Penetration time of glove										
480				1 I	÷1		н н Н	÷.	.1	
Glove thickness										
0.11 mm		111				1	i.			:
Eye protection:	an a	:			;	¹	÷.	:		Ξ.

Safety glasses				'	1			÷.	i.		:
Body protection:											
Protective work c	lothing	,	:	1		1	. '		:	.'	

a at at at at	111		: ¹	111	1		: • •	;	
SECTION 9. PHYSICA		CHE	MICA		PEF	RTIES	÷		1
Information on basic physical and c	hemical pro	perties	; , ,						
Appearance:	i		,	Ĩ	1		i		
Form: Various forms (powder/flake/	crystalline/b	peads,	etc.)		1			:	
Color: White to yellow		,	,		,				
Odor: Odorless	:	'		:	'		÷.	'	
Odor threshold: No data available.p	H: N/A	.1			.1	н н 1		.1	
Melting point/Melting range: 714 °C	(1317 °F)								
Boiling point/Boiling range: No data	available			: * *			: • •		
Sublimation temperature / start: No	data availa								
Flammability (solid, gas)	:		· .		1.1		:		
No data available.						н н Н		.1	
Ignition temperature: No data availa	able								
Decomposition temperature: No da	ta available						: * *		
Autoignition: No data available.		'			'				1
Danger of explosion: No data availa									
Explosion limits:	:			1			÷.		
Lower: No data available									
Upper: No data available									
Vapor pressure: N/A	:	'		:	'		1	'	
Density at 20 °C (68 °F): 2.32 g/cm 3	3 ¹	.1	: *	i'	.1		:	.1	
(19.36 lbs/gal)		1							
Relative density		1	1	1	1			:	
No data available.		¹			'		t.	'	÷.
		1			1				

			1	1.1.1		1						1
Vapor density	:		÷.					¹	:			:
N/A												
Evaporation rate	:						e f					
N/A												
Solubility in / Misc	bility	with W	/ater at 2	20 °C (68	°F): 5	42 g/l So	luble	1	:			
Partition coefficier	nt (n-o	octanol/	/water): I	No data a	availab	le.		¹	1			
Viscosity:	. '	:						1				
Dynamic: N/A			i.	i								1
Kinematic: N/A		;										
Other information		ł			1			ı	,		I	
No data available	:			t,	¹	1	:		÷.,			1
	;										. :	
SECTION 1 Reactivity	0.5	TAE	SILI I Y								1	
Reactivity No data available	i'	*				÷.,						÷.
Chemical stability		.:	н н н			1 - 1 1	e ^r	.:	1 - 1 1		.:	
Stable under reco	mmer	nded st	torage co	onditions	i.							
Thermal decompo	osition	/ cond	litions to	be avoid	led:		1.1.1	1	:	111		:
Decomposition wi	II not (occur if	f used ar	nd stored	l accor	ding to s	pecificati	ons.	1			:
Possibility of haza	ardous	; reacti	ons									
Reacts with strong	g oxid	izing a	gents				:	1				
Conditions to avoi												
No data available				; • •				1	:	111		;
Incompatible mate	erials:			:	¹		1	¹	1			:
Water/moisture								1				
Oxidizing agents			i i	i			i		,			
Hazardous decom	npositi	ion pro	ducts:					1	. '			
Hydrogen chloride	•											
Metal oxide fume	1			i l	· · ¹	1	t.	¹	1			1

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effectsAcute toxicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains acute toxicity data for components in this product. LD/LC50 values that are relevant for classification: Oral LD50 2800 mg/kg (rat) Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation Sensitization: No sensitizing effects known. Germ cell mutagenicity: The Registry of Toxic Effects of Chemical Substances (RTECS) contains mutation data for this substance. Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. Reproductive toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known.

Additional toxicological information:

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

	e ^r									t.	.:	
SECTION 1	2. E	COI	OGIC		NFO	RMA1	ΓΙΟΝ					
Toxicity			:								-	
Aquatic toxicity:	:				¹	1	:	'		e ^r	'	
No data available			н н н		.1				1 I			
Persistence and c	legrad	lability										
No data available			:	: • •			111					
Bioaccumulative p	ootent											
No data available			1		'	1		'			'	
Mobility in soil	1			: '			÷*			e ^r	.1	
No data available												
Additional ecologi	cal inf	ormati	on:	: • •		1				: • •	-	
Do not allow mate	erial to	be rel	eased to	the env	ironme	nt withou	it official	permit	S.			
Do not allow undi	uted p	produc	t or large	quantiti	es to re	each grou	undwate	r, watei	courses	, or sewa	age	
systems.	:		н н 1	: 1		н н н	, ¹			e l'	.1	
Avoid transfer into	the e	environ	ment.									
Results of PBT ar	nd vPv	/B ass	essment				111					
PBT:			÷.		'	1		'				
N/A												
vPvB:	:		н н Н	t,			÷			t.		
N/A												
Other adverse eff	ects					1				; • •	-	
No data available	:	¹								l'		
			1 1		.:	1 I		.:	1 - 1 1	:	.:	

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods Recommendation

	1							
Consult official regulations to ensure prope	r disposal	-	:	'		e'		1
Uncleaned packagings: Recommendation:	et de la	н н Н		.1	1 1 1	ľ	.1	
Disposal must be made according to officia	l regulatio	ons.						
Recommended cleansing agent:		ť	111		e ^r	1.1		:
Water, if necessary with cleansing agents.		÷.,	:			ť		÷.,
	, ' i	1 I		:			:	

SECTION 14. TRANSPORT INFORMATION

UN-Number											
DOT, ADN, IMDG,	ATA		;	'			'				
N/A		н н н			1 - 1 1	1			1	.1	
UN proper shipping	name										
DOT, ADN, IMDG,	ATA				:			et i			
N/A	·			'							
Transport hazard cl			ı		,	1					
dòt, aḋr, adn, in	ÌDG, IÀTA		;		1 1 1	:		1 1 1	:		
Class											
N/A ****		:	1.1.1		ef l	1.1.1		ef.		}	
Packing group				1							
DOT, IMDG, IATA											
N/A			1			1			i'	.1	
Environmental haza	ards:										
N/A											
Special precautions	for user		:						l'		
N/A Transport in bulk ac	cording to A	nnex II of	MARP	0I 73/7	8 and the	BC Co	ode				
-					• • • • • • • • •						
N/A					:	: * *		: 1	111		
Transport/Additiona											
DOT	·	1.	1			i'			t'	¹	

Marine	Pollutant	t (DOT)	:·	1		¹				1		
No	н н н					.:	1 - 1 1					.:
SEC [.]	TION	15. R	REGI	ULAT	ORY	INFC	ORMA	TION		÷	:**	-
Safety,	health ai	nd envir	ronmei	ntal [:] regul	ations/le	egislatio	on specifi	c for the	substa	ince or m	nixture	
Nationa	al regulat	ions			,							
All com	ponents	of this p	broduc	t are liste	ed in the	U.S. E	invironme	ental Pro	tection	Agency	Toxic	
Substai	nces Cor	ntrol Act	Chem	nical subs	stan <u>c</u> e Ir	nventor	y.					
All com	ponents	of this p	broduc	t are liste	ed on the	e Cana	dian Dom	nestic Su	bstanc	es List (E	DSL).	
SARA S	Section 3	13 (spe	ecific to	oxic chem	nical listi	ngs)	1		'	1		
Substai	nce is no	t listed.	.:			. :	1 I					
Califorr	nia Propo	sition 6	5									
Prop 65	5 - Chem	icals kn	own to	o cause c	ancer			: * *				
	nce is no											
Prop 65	5 - Develo	opment	al toxic	citySubst			ed.		'			
Prop 65	5 - Develo	opment	al toxic	city, fema	le	. 1				н н н		
Substa	nce is no	t listed.										
Prop 65	5 - Develo	opment	al toxic	city, male			:					
Substa	nce is no	t listed.		:			4			:		
Informa	ation about	ut limita	tion of	use:	i			i			i.	
For use	e only by	technic	ally qu	alified in	dividuals	5.		, i		н н н	t.	
Other re	egulation	s, limita	ations a	and prohi	ibitive re	gulatio	ns					
Substa	nce of Ve	ery High	Conc	ern (SVF	IC) acco	ording to	o the RE	ACH Re	gulatior	ns (EC) N	lo. 1907/	200
Substa	nce is no	t listed.	'		:*			:		1		
The cor	nditions o	of restric	ctions a	accordin	g to Artic	cle 67 a	and Anne	x XVII of	the Re	gulation	(EC) No	
1907/20	006 (REA	ACH) for	r the m	nanufactu	iring, pla	acing o	n the mai	ket and	use mu	ist be ob	served.	
Substa	nce is no	t listed.										
Annex 2	XIV of the	e REAC	H Reg				orisation			1	111	
Substa	nce is no	t listed.		÷.,		¹			'	1		

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.

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		1	:	'		, , ,	'		e ^r	'	4	i.		:
 -	;	e'			, ¹	111 1	;		111	:	, î	111	:	:
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	-	:	:**			:**	1	:	111					:
						:								
					<u> </u>	'				<u> </u>				