# KATHON™ LX 1.5% Biocide



Version 2.0	Revision Date: 07/11/2024	SDS Number: 203000022050	Date of last issue: 02/27/2024 Country / Language: US / EN
SECTION	1. IDENTIFICATION		
Produ	uct name	: KATHON™L)	K 1.5% Biocide
Produ	uct code	: 0000000062	2632562
EPA	registration number	: 707-134	
<b>Manı</b> Comp	<b>ifacturer or supplier's</b> bany	: LANXESS Co Product Safet 111 RIDC Pa	y & Regulatory Affairs
Resp	onsible Department	: (800) LANXE (412) 809-100 lanxesshes@	00
Emer	gency telephone	(703) 527-388	(800) 424-9300 or 37 (Outside U.S.A) and mention CCN12916. grgency Phone (800) 410-3063.
Reco	mmended use of the	chemical and restri	ctions on use
Reco	mmended use	: Biocide for ind	ustrial application

### **SECTION 2. HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)				
Skin corrosion	:	Category 1		
Serious eye damage	:	Category 1		
Skin sensitization	:	Category 1		
GHS label elements Hazard pictograms	:			
Signal Word	:	Danger		

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Hazaı	rd Statements		skin burns and eye damage. allergic skin reaction.
Precautionary Statements		Wash skin thor Contaminated workplace.	g mist or vapors. oughly after handling. work clothing must not be allowed out of the e gloves/ protective clothing/ eye protection/ fac
		IF ON SKIN (or clothing. Rinse IF INHALED: R for breathing. Ir IF IN EYES: Rin Remove contac rinsing. Immedi If skin irritation	ED: Rinse mouth. Do NOT induce vomiting. hair): Take off immediately all contaminated skin with water/ shower. emove person to fresh air and keep comfortabl nmediately call a POISON CENTER/ doctor. nse cautiously with water for several minutes. et lenses, if present and easy to do. Continue ately call a POISON CENTER/ doctor. or rash occurs: Get medical advice/ attention. nated clothing before reuse.
		<b>Storage:</b> Store locked up	).
		Disposal:	
		Dispose of cont plant.	tents/ container to an approved waste disposal

None known.

#### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
magnesium nitrate	10377-60-3	>= 1 - < 5
Mixture of 5-chloro-2-methyl-2H- isothiazol-3-one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4) (3:1)	-	>= 1 - < 5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

#### SECTION 4. FIRST AID MEASURES

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,	General advice		:	Consult a physician. Move out of dangerous area. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.		
	If inhaled		:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.		
	In case of skin contact		:	Get medical attention immediately. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Continue to rinse for 30 minutes. Chemical burns must be treated promptly by a physician. Wash contaminated clothing before reuse.		
	In case	of eye contact	:	30 minutes. Use and that the eye is Remove contact le rinsing.	, flush eyes with plenty of water for at least fingers to ensure that eyelids are separated	
	If swalld	owed	:	sonnel.	water. niting unless directed to do by medical per- tion if symptoms occur.	
	Most in	nportant symptoms a	and	effects, both acut	e and delayed	
	Sympto	ims	:	ing, burning and Skin: Causes irrit and swelling. Once sensitized,	ith symptoms of reddening, tearing, swell- possible permanent damage. ation with symptoms of reddening, itching, a severe allergic reaction may occur when posed to very low levels.	
	Effects		:	May cause an all Causes serious e Causes severe b		
	Protecti	ion of first-aiders	:		ers should pay attention to self-protection nmended protective clothing	
	Notes to	o physician	:	Treat symptomation	cally.	

#### **SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

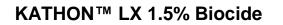
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	Unsuitable extinguishing media		:	High volume wate	r jet
	lazardou cts	s combustion prod-	:	Nitrogen oxides (N Metal oxides Carbon dioxide (C Carbon monoxide Sulfur oxides Halogenated com	:02)
F	Further information		:	Cool containers/ta Minimize exposur Do not breathe fun Contain run-off.	
	Special pr or fire-figl	otective equipment	:	Self-contained bre Use personal prot	

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- tive equipment and emer- gency procedures		Wear a NIOSH approved (or equivalent) respirator (with or- ganic vapor/acid gas cartridge and a dust/mist filter) during spill clean-ups and deactivation of this material. MATERIAL IS CORROSIVE. Protective clothing, including chemical splash goggles, nitrile or butyl rubber full length gloves, rubber apron, or clothing made of nitrile or butyl rub- ber, and rubber overshoes must be worn during spill clean- ups and deactivation of this material. If material comes in con- tact with the skin during clean-up operations, IMMEDIATELY remove all contaminated clothing and wash exposed skin areas with soap and water. See SECTION 4, First Aid Measures, for further information. Isolate the area immediately for at least 100 meters in all di- rections.
Environmental precautions	:	Do not allow material to contaminate ground water system. Prevent product from entering drains.
Methods and materials for containment and cleaning up	:	WARNING: KEEP SPILLS AND CLEAN-UP RESIDUALS OUTOF MUNICIPAL SEWERS AND OPEN BODIES OF WATER. Adsorb the spill with spill pillows or inert solids such as clay or vermiculite, and transfer contaminated materials to suitable containers for disposal. Deactivate spill area with freshly prepared solution of 5% sodium bicarbonate and 5% sodium hypochlorite in water. Apply solution to the spill area at a ratio of 10 volumes deactivation solution per estimated volume of residual spill to deac tivate any residual active in-





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			copious amounts with local procedu deactivation solut sorbed material.	d for 30 minutes. Flush the spill area with of water to chemical sewer (if in accordance ures, permits and regulations). DO NOT add ion to the waste pail to deactivate the ad- See Section 13, "Disposal Considerations", garding the disposal of contained materials.
SECTI	ON 7. HANDLING AND ST	OR	AGE	
Ad	dvice on safe handling	:	trols/Personal Pro	prrosive. See SECTION 8, Exposure Con- ptection, prior to handling. aterial near food, feed or drinking water.
C	Conditions for safe storage		ide) slowly. To pro- packaged in spect Keep this product Container must b tion to prevent sp fitted. Do not store this to steel	ntilated place. upplied may evolve gas (largely carbon diox- event the buildup of pressure the product is ially vented containers, where necessary. in the original container when not in use. e stored and transported in an upright posi- illing the contents through the vent, where material in containers made of the following: food, foodstuffs, drugs or potable water
	urther information on stor- ge conditions	:	emptied containe and label warning Expiration date ba	AY BE HAZARDOUS WHEN EMPTY. Since rs retain product residue follow all (M)SDS is even after container is emptied. ased only on retention of >95% actives dur- PC-25°C ( $68^{\circ}F$ -77°F).
	ecommended storage tem- erature	:	34 - 131 °F / 1 - 5	5 °C
	urther information on stor- ge stability	:	Stable under reco	ommended storage conditions.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Use only in area provided with appropriate exhaust ventilation.

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Use local exhaust ventilation with a minimum capture velocity of 150 ft/min. (0.75 m/sec.) at the point of dust or mist evolution. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

#### Personal protective equipment

Respiratory protection	:	Typical use of this material does not result in workplace exposures that exceed the exposure limits listed in the Exposure Limit Information Section. For those special workplace conditions where the listed exposure limits are exceeded, a respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed. For concentrations up to 10 times the exposure limit, wear a properly fitted NIOSH approved (or equivalent) half-mask or full facepiece air purifying respirator equipped with organic vapor cartridges and N95 filters. If oil mist is present, use R95 or P95 filters. For those unlikely situations where exposure may greatly exceed the listed exposure limits (i.e. greater than 10-fold), or in any emergency situation, wear a properly fitted NIOSH approved (or equivalent) self-contained breathing apparatus in the pressure demand mode or a full facepiece airline respirator in the pressure demand mode with emergency escape provision. See SECTION 6, Accidental Release Measures, for respirator and protective clothing requirements for spill clean-up and decontamination of this material.		
Hand protection				
Remarks	:	Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: butyl-rubber Ethyl vinyl alcohol laminate ("EVAL"). Examples of acceptable glove barrier materials include: Neoprene Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyvinyl chloride - PVC NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.		
Eye protection	:	Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).		
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		Eye protection tection system	on worn must be compatible with respiratory pro- m employed.		
Skin and body protection		Chemical res	Wear as appropriate: Chemical resistant apron Complete suit protecting against chemicals		
Protective measures		with an eyew Personal pro	ring or utilizing this material should be equipped ash facility and a safety shower. tective equipment comprising: suitable protective y goggles and protective clothing		
Hygiene measures		chemical pro lavatory and Appropriate t contaminated Wash contar Ensure that e	, forearms and face thoroughly after handling ducts, before eating, smoking and using the at the end of the working period. techniques should be used to remove potentially d clothing. ninated clothing before reusing. eyewash stations and safety showers are close ation location.		

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	liquid
Physical state	:	liquid
Color	:	Light blue to light green
Odor	:	Mild, inoffensive odor
Odor Threshold	:	No data available
рН	:	2 - 4 Concentration: 100 %
Melting point/freezing point	:	26.60 °F / -3.00 °C
Boiling point/boiling range	:	212.00 °F / 100.00 °C (1,013 hPa)
Flash point	:	Not combustible.
Evaporation rate	:	< 1.00 (Butyl Acetate=1.0)
Flammability (solid, gas)	:	Not applicable
Self-ignition	:	Not applicable
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		explosion limit / Upper bility limit	:	Not applicable		
		explosion limit / Lower bility limit	:	Not applicable		
,	Vapor p	ressure	:	No data available		
I	Relative	e vapor density	:	0.6200 (Air = 1.0)		
l	Relative	e density	:	1.02		
I	Density		:	1.02 g/cm3 (68 °	= / 20 °C)	
:	Solubilit Wate	ry(ies) er solubility	:	completely solub	e	
	Solu	bility in other solvents	:	No data available		
	Partition coefficient: n- octanol/water		:	log Pow: 0.401 Method: Method	Not Specified.	
	Ignition	temperature	:	No data available		
ļ	Decomp	position temperature	:	No data available		
,	Viscosit Visco	y osity, dynamic	:	3.000 mPa.s (77	°F / 25 °C)	
	Visc	osity, kinematic	:	No data available		
l	Explosiv	ve properties	:	No data available		
(	Oxidizin	ig properties	:	The substance o	mixture is not classified as oxidizing.	
:	Surface	tension	:	No data available		
I	Molecul	ar weight	:	No data available		
ļ	Particle	size	:	Not applicable		

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under normal conditions.
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	Possibi tions	lity of hazardous reac-	:	Polymerization w Under normal co tions will not occ	nditions of storage and use, hazardous reac-
Conditions to avoid		:	No data available	9	
Incompatible materials		:	Oxidizing agents Amines Reducing agents mercaptan		
	Hazard produc	ous decomposition ts	:	Nitrogen oxides Sulfur oxides hydrogen chlorid	

#### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

Product:		
Acute oral toxicity	:	LD50 (Rat, female): 3,310 mg/kg
		LD50 (Rat, male): > 5,000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Estimated value Assessment: The substance or mixture has no acute inhala- tion toxicity
Acute dermal toxicity	:	LD50 (Rabbit): > 5,000 mg/kg
Components:		
magnesium nitrate:		
Acute oral toxicity	:	LD50 (Rat, female): > 2,000 mg/kg Method: OECD Test Guideline 423 GLP: Yes Assessment: The substance or mixture has no acute oral tox- icity Remarks: Dosage caused no mortality
Acute dermal toxicity	:	LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 402
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			2: Yes narks: Test	results on an analogous product
	ure of 5-chloro-2-me e (CAS 2682-20-4) (3		thiazol-3-o	ne (CAS 26172-55-4) and 2-methyl-2H-isothiazol
Acute	e oral toxicity	: LD5	0 (Rat): 64	mg/kg
Acute	Acute inhalation toxicity			
Acute	e dermal toxicity	: LD5	0 (Rabbit):	87.12 mg/kg
-	corrosion/irritation			
Com	ponents:			
magi	nesium nitrate:			
Spec Expo Meth Resu GLP Rem	sure time od lt	: No : : No	CD Test Gu skin irritatio	ideline 404 n an analogous product
	ure of 5-chloro-2-me e (CAS 2682-20-4) (3		hiazol-3-o	ne (CAS 26172-55-4) and 2-methyl-2H-isothiazol
Resu	. ,.	: Cor	es between	gory 1C - where responses occur after expo- 1 hour and 4 hours and observations up to 14
Rem	arks	: Brie	f contact m	ay cause skin burns. Symptoms may include cal redness and tissue damage.
Serio	ous eye damage/eye	irritation		
Caus	es serious eye damaç	je.		
Prod	uct:			
Spec Resu		: Rab : Cor	bit rosive	
<u>Com</u>	ponents:			
magi	nesium nitrate:			
Spec	ies	: Rab	bit	
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Res Metl GLF	hod	: No eye irritatio : OECD Test Gu : Yes	
	ture of 5-chloro-2-meth ne (CAS 2682-20-4) (3:1		one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-
Rem	narks	: Risk of serious	s damage to eyes.
Res	piratory or skin sensit	ization	
-	n sensitization r cause an allergic skin r	eaction.	
	piratory sensitization classified based on avai	ilable information.	
		: Skin contact : Guinea pig : Causes sensiti	ization.
	tes of exposure narks	: Inhalation : No data availa	ble
<u>Con</u>	nponents:		
Test	hod ult	: Skin contact : Mouse : OECD Test Gu	ode assay (LLNA) uideline 429 sensitization on laboratory animals.
	ture of 5-chloro-2-meth ne (CAS 2682-20-4) (3:1	•	one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-
Test	t Type tes of exposure cies hod ult	<ul> <li>Maximization 1</li> <li>Skin contact</li> <li>Guinea pig</li> <li>OECD Test Guinea</li> </ul>	
		: Local lymph no : Skin contact : Mouse : OECD Test Gu	ode assay (LLNA) uideline 429

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	ision Date: 1/2024		0S Number: 3000022050	Date of last issue: 02/27/2024 Country / Language: US / EN
Result GLP		:	The product is a s Yes	kin sensitizer, sub-category 1A.
Germ cell m				
Not classifie	d based on availal	ble	information.	
<u>Component</u>	<u>:S:</u>			
magnesium	nitrate:			
Genotoxicity		:		nonella typhimurium on: with and without metabolic activation
			Test system: Hum Metabolic activation Method: OECD To Result: negative GLP: Yes	on: with and without metabolic activation
			Test system: mou Metabolic activation Method: OECD To Result: negative GLP: Yes	o mammalian cell gene mutation test se lymphoma cells on: with and without metabolic activation est Guideline 476 sults on an analogous product

Germ cell mutagenicity - : Animal testing did not show any mutagenic effects. Assessment

#### Carcinogenicity

Not classified based on available information.

#### **Components:**

# Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4) (3:1):

Carcinogenicity - Assess- : Not classifiable as a human carcinogen. ment

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is

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			e or confirmed human carcinogen by IARC.
OSHA		ent of this product ist of regulated ca	present at levels greater than or equal to 0.1% is rcinogens.
NTP			resent at levels greater than or equal to 0.1% is bated carcinogen by NTP.
-	ductive toxicity assified based on avail	able information.	
<u>Comp</u>	onents:		
•	esium nitrate: s on fertility	Species: Ra Application Dose: 250 - Duration of General To Method: OE GLP: Yes	reproductive and developmental toxicity study at, male and female Route: Oral 750 - 1500 mg/kg Single Treatment: 28 d xicity Parent: NOAEL: >= 1,500 mg/kg body weight CD Test Guideline 422
Effects	s on fetal development	: Species: Ra Application Dose: 250 - Duration of General To weight Developme Method: OE GLP: Yes	Test results on an analogous product at, male and female Route: Oral 750 - 1500 mg/kg Single Treatment: 53 d xicity Maternal: NOAEL: >= 1,500 mg/kg body ntal Toxicity: NOAEL: >= 1,500 mg/kg body weight ECD Test Guideline 422 Test results on an analogous product
3-one	(CAS 2682-20-4) (3:1 ductive toxicity - As-	yl-2H-isothiazol- ):	3-one (CAS 26172-55-4) and 2-methyl-2H-isothiazo
0707			
	-single exposure assified based on avail	able information	

#### Components:

# Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4) (3:1):

Assessment : Material is corrosive. Upper respiratory tract irritation or corro-

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sivity may be expected.

#### STOT-repeated exposure

Not classified based on available information.

#### Components:

Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4) (3:1):

Assessment	:	The substance or mixture is not classified as specific target
		organ toxicant, repeated exposure.

#### **Repeated dose toxicity**

#### **Components:**

#### magnesium nitrate:

Species :	Rat, male and female
NOAEL :	>= 1,500 mg/kg
Application Route :	Oral
Exposure time :	28 d
Number of exposures :	daily
Dose :	250 - 750 - 1500 mg/kg
Method :	OECD Test Guideline 422
GLP :	Yes
Remarks :	Subacute toxicity
	Test results on an analogous product

#### Aspiration toxicity

Not classified based on available information.

#### Components:

# Mixture of 5-chloro-2-methyl-2H-isothiazol-3-one (CAS 26172-55-4) and 2-methyl-2H-isothiazol-3-one (CAS 2682-20-4) (3:1):

No aspiration toxicity classification

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

Ecotoxicity

#### Components:

#### magnesium nitrate:

Toxicity to fish

: LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l End point: mortality Exposure time: 96 h

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		GLP: Yes	
	ity to daphnia and other tic invertebrates	Exposure time: Analytical moni GLP: No	
Toxic plants	ity to algae/aquatic S	: EC50 (Diatom) End point: Grov Exposure time: Test Type: stati Analytical moni GLP: No Remarks: Test	wth rate 10 Days ic test
Toxic	ity to microorganisms	Exposure time: Test Type: Res Analytical moni Method: OECD GLP: Yes	piration inhibition
	ure of 5-chloro-2-methy e (CAS 2682-20-4) (3:1):		ne (CAS 26172-55-4) and 2-methyl-2H-isothiazo
	ity to fish	: LC50 (Oncorhy Exposure time: Test Type: flow	
	ity to daphnia and other tic invertebrates	Exposure time: Test Type: flow	
Toxic plants	ity to algae/aquatic s	mg/l Exposure time:	kirchneriella subcapitata (green algae)): 0.027 72 h Test Guideline 201
		NOEC (Skeleto End point: Grov Exposure time: Test Type: stati	72 h

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				EC50 (Skeletone Exposure time: 72 Method: OECD T	
	oxicity city)	to fish (Chronic tox-	:	NOEC (Oncorhyn Exposure time: 14 Test Type: flow-th	
				NOEC (Pimephal Exposure time: 36 Test Type: flow-th	
a		to daphnia and other invertebrates (Chron- ty)	:	NOEC (Daphnia r Exposure time: 2 <sup>·</sup> Test Type: flow-th	
P	ersist	ence and degradabili	ity		
<u>c</u>	ompo	nents:			
m	nagnes	sium nitrate:			
В	liodegr	adability	:		ods for determining the biological degradabil- ble to inorganic substances.
		e of 5-chloro-2-methy CAS 2682-20-4) (3:1):		1-isothiazol-3-one	(CAS 26172-55-4) and 2-methyl-2H-isothiazol
В	liodegr	adability	:	methyl-4-isothiaz $\frac{1}{2}$ aerobic = 0.38 t $\frac{1}{2}$ aerobic = 0.38	lation (aquatic metabolism):5-Chloro-2- blin-3-one (CMIT): t $\frac{1}{2}$ anaerobic = 0.2 day. t – 1.3 day2-Methyl-4-isothiazolin-3-one(MIT): 3 – 1.4 day ered rapidly degradable in the environment.
				Biodegradation: • Exposure time: 10	
				Result: Biodegrad Biodegradation: Exposure time: 28 Method: OECD T	62 %
				one)	3 d

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rsion )	Revision Date: 07/11/2024	SDS Number: 203000022050	Date of last issue: 02/27/2024 Country / Language: US / EN
		Biodegradatic Exposure time Method: OEC	
		Biodegradatic Exposure time Method: OEC	
		isothiazol-3-o Remarks: Ma	ce: CAS 26172-55-4 (5-chloro-2-methyl-2H- ne) terial is readily biodegradable. Passes OECD dy biodegradability.
		Biodegradatio Exposure time Method: OEC Test substand isothiazol-3-o	ly biodegradable. n: 98 % e: 2 d D Test Guideline 302B e: CAS 26172-55-4 (5-chloro-2-methyl-2H-
Photo	degradation	Degradation h Degradation (	direct photolysis): nalf life: 0.2 d indirect photolysis): nalf life: 0.38 - 1.3 d
Bioac	cumulative potentia	I	
<u>Comp</u>	onents:		
	re of 5-chloro-2-met (CAS 2682-20-4) (3:		one (CAS 26172-55-4) and 2-methyl-2H-isothiazo
	cumulation		accumulation is unlikely.
		one)	ce: CAS 2682-20-4 (2-methylisothiazol-3(2H)- accumulation is unlikely.

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	octanol/water		Pow < 3). log Pow: -0.486 Method: measured Remarks: 2-Methyl-4-isothiazolin-3-one(MIT): log Pow: 0.401 Method: measured Remarks: 5-Chloro-2-methyl-4-isothiazolin-3-one		
	Mobility in soil				
		onents:			
		e of 5-chloro-2-methy (CAS 2682-20-4) (3:1):		I-isothiazol-3-one	(CAS 26172-55-4) and 2-methyl-2H-isothiazol-
	Distribution among environ- : mental compartments			s very low Henry's constant, volatilization s of water or moist soil is not expected to be process.	
			Koc: 28 Method: estimated Remarks: Potentia tween 0 and 50).	d al for mobility in soil is very high (Koc be-	
	Other a	adverse effects			
	Compo	onents:			
		e of 5-chloro-2-methy (CAS 2682-20-4) (3:1):		l-isothiazol-3-one	(CAS 26172-55-4) and 2-methyl-2H-isothiazol-
	Results assess	s of PBT and vPvB ment	:		persistent, bioaccumulative, and toxic (PBT). very persistent and very bioaccumulative
SEC	TION 1	3. DISPOSAL CONSI	DER	ATIONS	
	Dispos	al methods			
	RCRA	- Resource Conserva- d Recovery Authoriza-	:	criteria of corrosiv	n its purchased form, this product meets the ity, and should be managed as a hazardous rdous Waste Number D002). (40 CFR

wherever possible.

way.

: The generation of waste should be avoided or minimized

This material and its container must be disposed of in a safe

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Empty containers retain product residue; observe all precautions for product.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste disposal should be in accordance with existing federal, state, provincial and/or local environmental controls.

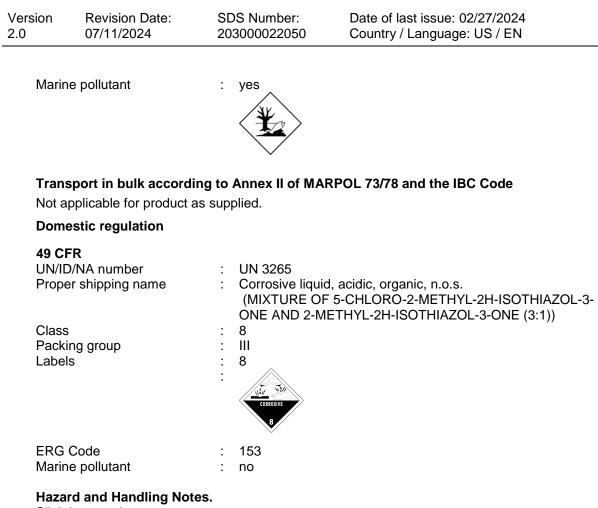
#### **SECTION 14. TRANSPORT INFORMATION**

#### **International Regulations**

Packing instruction (cargo : 856 : 60.00 L aircraft) Packing instruction (passen- : 852 : 5.00 L ger aircraft) Environmentally hazardous : yes	IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels	<ul> <li>UN 3265</li> <li>Corrosive liquid, acidic, organic, n.o.s. (MIXTURE OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3- ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1))</li> <li>8</li> <li>III</li> <li>8</li> <li>•</li> </ul>
	aircraft) Packing instruction (passen- ger aircraft)	: 852 : 5.00 L
IMDG-CodeUN numberUN proper shipping name:UN 3265:CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3- ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1))Class:Packing group:Labels::8:::8::	UN number UN proper shipping name Class Packing group	<ul> <li>CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (MIXTURE OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3- ONE AND 2-METHYL-2H-ISOTHIAZOL-3-ONE (3:1))</li> <li>8</li> <li>III</li> </ul>
EmS Code : F-A, S-B	EmS Code	

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Slightly corrosive. Environmentally hazardous substance. Keep separated from foodstuffs

#### Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

#### **CERCLA Reportable Quantity**

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

#### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards	:	Skin corrosion or irritation Serious eye damage or eye irritation	
		Respiratory or skin sensitization	

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SARA	\ 313	known CAS nu	bes not contain any chemical mbers that exceed the thresh established by SARA Title II	old (De Minimis)
US SI	ate Regulations			
Mass	achusetts Right To K	now		
	magnesium nitrate		10377-60-3	>= 1 - < 5
Penn	sylvania Right To Kn	ow		
	water magnesium nitrate copper dinitrate acetic acid		7732-18-5 10377-60-3 3251-23-8 64-19-7	> 1 >= 1 - < 5 < 1 < 0.1
Califo	ornia Prop. 65			
•	oroduct does not conta v other reproductive de	-	vn to the State of California to	o cause cancer, birth,

#### **TSCA** inventory

TSCA	:	This product is regulated under the United States Federal
		Insecticide, Fungicide and Rodenticide Act (FIFRA).

#### **FIFRA** information

EPA registration number	:	707-134
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This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

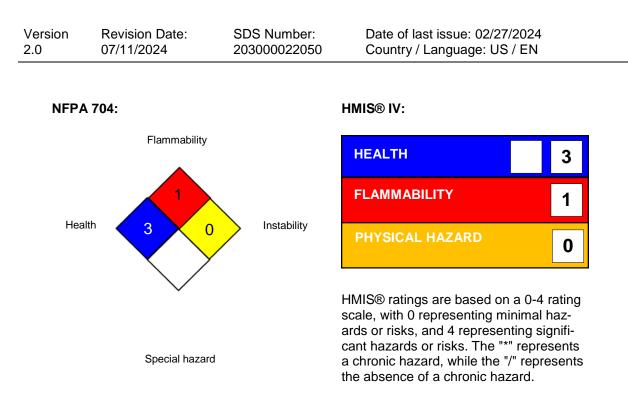
Signal Word	DANGER	
Hazard Statements	<ul> <li>Corrosive Causes irreversible eye damage and sk May cause allergic skin reaction. May be fatal if in Harmful if swallowed or absorbed through skin.</li> </ul>	

#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

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#### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals: OECD - Organization for Economic Co-operation and Development: OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments



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and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Revision Date : 07/11/2024

The data contained in this Safety Data Sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered to be a guidance for processing and does not contain any warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the responsibility of the recipient of the product to ensure that any proprietary rights and existing laws and legislation are observed.

Relevant changes from the previous version are marked on the left side of the Safety Data Sheet with a black double bar in appropriate places.