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SECTION 1. IDENTIFICATION

Product identifier

Trade name

 Biosperse™ CN7539 MICROBIOCIDE
 ™ Trademark, Solenis or its subsidiaries or affiliates, registered in various countries

Recommended use of the chemical and restrictions on use Use of the Substance/Mixture : Biocide

Details of the supplier of the safety data	Emergency telephone number
sheet	1-844-SOLENIS (844-765-3647)
Solenis LLC	, , , , , , , , , , , , , , , , , , ,
500 Hercules Road	Product Information
Wilmington, Delaware 19808 United States of America (USA)	Contact your local Solenis representative
RegulatoryRequestsNA@solenis.com Solenis LLC	

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Corrosive to metals	: Category 1
Skin corrosion	: Category 1
Serious eye damage	: Category 1
Skin sensitisation	: Category 1
GHS label elements Hazard pictograms	
Signal word	: Danger
Hazard statements	 H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.
Precautionary statements	[:] Prevention:

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P234 Keep only in original container.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

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/doctor.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

Storage:

P405 Store locked up. P406 Store in corrosive resistant container with a resistant inner liner.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Classification	Concentration (%)
bronopol (INN)	52-51-7	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335	>= 5 - < 10
5-CHLORO-2-METHYL-4- ISOTHIAZOLIN-3-ONE	26172-55-4	Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 1.5 - < 3

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SULFURIC ACID	7664-93-9	Met. Corr. 1; H290 Skin Corr. 1; H314 Eye Dam. 1; H318	>= 0.5 - < 1
2-METHYL-4-ISOTHIAZOLIN-3- ONE	2682-20-4	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 0.5 - < 1

SECTION 4. FIRST AID MEASURES

General advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	:	Move to fresh air. If breathed in, move person into fresh air. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	:	Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. Wash contaminated clothing before re-use.
In case of eye contact	:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye.
If swallowed	:	Get medical attention immediately. Do NOT induce vomiting. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) wheezing cyanosis (causes blue coloring of the skin and nails from lack of oxygen)
3 / 20		

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Convulsions Difficulty in breathing May cause an allergic skin reaction. Causes serious eye damage. Causes severe burns.

Notes to physician : Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	Bromine Carbon monoxide Carbon dioxide (CO2) hydrogen bromide Nitrogen oxides (NOx) Formaldehyde various hydrocarbons hydrogen chloride Sulphur oxides acid vapors Chlorine chlorine oxide
Specific extinguishing methods	:	Product is compatible with standard fire-fighting agents.
Further information	:	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions,	:	Use personal protective equipment.
protective equipment and		Persons not wearing protective equipment should be excluded
emergency procedures		from area of spill until clean-up has been completed.
		Comply with all applicable federal, state, and local regulations.

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Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Do not breathe vapours/dust. Do not smoke. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Container hazardous when empty. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
SULFURIC ACID	7664-93-9	TWA (Thoracic fraction)	0.2 mg/m3	ACGIH
		TWA	1 mg/m3	NIOSH REL
		TWA	1 mg/m3	OSHA Z-1
		TWA	1 mg/m3	OSHA P0

Components with workplace control parameters

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Engineering measures	:	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.
Personal protective equipme Hand protection	ent	
Remarks	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection :	Wear chemical splash goggles and face shield when there is potential for exposure of the eyes or face to liquid, vapor or mist. Maintain eye wash station in immediate work area.
Skin and body protection :	Wear as appropriate: Impervious clothing Chemical resistant apron Safety shoes Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear. Wear resistant gloves (consult your safety equipment supplier).
Hygiene measures :	Wash hands before breaks and at the end of workday. When using do not eat or drink. Ensure that eyewash stations and safety showers are close to the workstation location. When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Aqueous solution
Colour	:	light green
Odour	:	odourless
Odour Threshold	:	No data available
рН	:	2.5 - 3.5
Melting point/freezing point	:	ca4 °C
Boiling point/boiling range	:	No data available
Flash point	:	> 93.4 °C Method: Pensky Martens closed cup

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Evaporation rate	: < 1 n-Butyl Acetate	
Flammability (solid, gas)	: No data available	
Self-ignition	: No data available	
Upper explosion limit	: No data available	
Lower explosion limit	: No data available	
Vapour pressure	: 24 hPa	
Relative vapour density	: < 1 AIR=1	
Relative density	: No data available	
Density	: 1.08 - 1.12 g/cm3 (25 °C)	
Solubility(ies) Water solubility	: completely soluble	
Solubility in other solvents	: No data available	
Partition coefficient: n- octanol/water	: No data available	
Decomposition temperature	: No data available	
Viscosity Viscosity, dynamic	: 4 - 10 mPa.s (21 °C)	
Viscosity, kinematic	: No data available	
Oxidizing properties	: The substance or mixture is not classified as oxidizing.	
Metal corrosion rate	: > 6.25 mm/a Corrosive to metals	

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Product will not undergo hazardous polymerization.
Conditions to avoid	: excessive heat temperatures above 194 degrees F (90 C degrees)

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Hydrogen chloride gas

Sulphur oxides acid vapors Chlorine chlorine oxide

Incompatible materials : Avoid contact with: aluminum amines Dimethylformamide Metals Organic materials strong bases Strong oxidizing agents Peroxides Hazardous decomposition ÷ Bromine products Carbon monoxide Carbon dioxide (CO2) Formaldehyde hydrogen bromide Nitrogen oxides (NOx) Hydrocarbons

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Eye Contact Ingestion

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	:	Acute toxicity estimate: 3,503 mg/kg Method: Calculation method
		Acute toxicity estimate: 4,421 mg/kg Method: Calculation method
Acute inhalation toxicity	:	Acute toxicity estimate: > 40 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
		Acute toxicity estimate: 73.45 mg/l Exposure time: 4 h Test atmosphere: vapour Method: Calculation method
Acute dermal toxicity	:	Acute toxicity estimate: > 5,000 mg/kg

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¹ Trademark, Solenis or its subs gistered in various countries		
	Method: Calci	ulation method
Components:		
bronopol (INN):		
Acute oral toxicity	: LD 50 (Rat, fe	emale): 342 mg/kg
	LD 50 (Rat, m	nale): 307 mg/kg
Acute dermal toxicity	: LD 50 (Rat): 1	l,600 mg/kg
5-CHLORO-2-METHYL-4-I	SOTHIAZOLIN-3-ON	IE:
Acute inhalation toxicity	: (Rat): 0.33 m Exposure time Test atmosph	e: 4 h
SULFURIC ACID:		
Acute oral toxicity	: LD 50 (Rat): 2	2,140 mg/kg
Acute inhalation toxicity	under GHS.	Not classified as acutely toxic by inhalation
2-METHYL-4-ISOTHIAZOL	IN-3-ONE:	
Acute oral toxicity		male): 183 mg/kg D Test Guideline 401
	LD50 (Rat, ma Method: OEC GLP: yes	ale): 235 mg/kg D Test Guideline 401
Acute dermal toxicity	: LD50 (Rat): 2 Method: OEC GLP: yes	42 mg/kg D Test Guideline 402
Skin corrosion/irritation		
Causes severe burns.		
Product:		
Remarks: May cause skin Causes severe skin burns		tible persons.
<u>Components:</u>		
- on pononton		

bronopol (INN):

Species: Rabbit Method: OECD Test Guideline 404 Result: Irritating to skin

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SULFURIC ACID:

Result: Corrosive to skin

Serious eye damage/eye irritation

Causes serious eye damage.

Product:

Remarks: May cause irreversible eye damage.

Components:

bronopol (INN):

Species: Rabbit Result: Corrosive to eyes Method: Draize Test

SULFURIC ACID:

Result: Corrosive to eyes

2-METHYL-4-ISOTHIAZOLIN-3-ONE:

Respiratory or skin sensitisation

Skin sensitisation May cause an allergic skin reaction.

Respiratory sensitisation

Not classified based on available information.

Product:

Remarks: May cause allergic skin reaction.

Germ cell mutagenicity

Not classified based on available information.

Components:

bronopol (INN):

Genotoxicity in vitro

: Test Type: Ames test Result: negative

Carcinogenicity

Not classified based on available information. IARC Group 1: Carcinogenic to humans sulphuric acid 7664-93-9

sulphuric acid 7664-93-9 No component of this product present at levels greater than or

carcinogen by OSHA.

OSHA

equal to 0.1% is identified as a carcinogen or potential

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NTP

Known to be human carcinogen

sulphuric acid

7664-93-9

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

Components:

bronopol (INN):

Assessment: May cause respiratory irritation.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information

Product: Remarks: No data available

Components:

SULFURIC ACID:

Remarks: Lung

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish	: LC 50 (Pimephales promelas (fathead minnow)): 3.5 mg/l Exposure time: 96 h
	NOEC (Pimephales promelas (fathead minnow)): 1.8 mg/l Exposure time: 96 h
	LC 50 (Cyprinodon variegatus (sheepshead minnow)): 26.7 mg/l Exposure time: 96 h
	NOEC (Cyprinodon variegatus (sheepshead minnow)): 15.5 mg/l Exposure time: 96 h

Toxicity to daphnia and other : LC 50 (Ceriodaphnia dubia (water flea)): 4.7 mg/l

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aquatic invertebrates	Exposure time	: 48 h		
	NOEC (Ceriod Exposure time	aphnia dubia (water flea)): 0.63 mg/l : 48 h		
	LC 50 (Daphni Exposure time	a magna (Water flea)): 5 mg/l : 48 h		
		ia magna (Water flea)): 2.5 mg/l : 48 h		
Ecotoxicology Assessment				
Acute aquatic toxicity	: Acute aquatic	toxicity Category 2; Toxic to aquatic life.		
Chronic aquatic toxicity	: Chronic aquati with long lastin	c toxicity Category 3; Harmful to aquatic life g effects.		
<u>Components:</u>				
bronopol (INN):				
Toxicity to fish	: LC 50 (Oncorh Exposure time	ynchus mykiss (rainbow trout)): 41.2 mg/l : 96 h		
	LC 50 (Bluegill Exposure time Test Type: flov			
Toxicity to daphnia and other aquatic invertebrates	Exposure time Test Type: stat	EC 50 (Water flea (Daphnia magna)): 1.4 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202		
Toxicity to algae	mg/l End point: Gro Exposure time Test Type: sta	: 72 h		
	EC 50 (Skeleto Exposure time Test Type: sta Method: ISO 1	tic test		
	NOEC (Skeleto End point: Gro Exposure time Test Type: stat Method: ISO 1	: 72 h tic test		
Toxicity to daphnia and other aquatic invertebrates	: NOEC (Water Exposure time	flea (Daphnia magna)): 0.27 mg/l : 21 d		

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(Chronic toxicity)		Test Type: flow- Method: OECD	through test Test Guideline 211		
5-CHLORO-2-METHYL-4-ISO	тн	AZOLIN-3-ONE:			
Toxicity to fish	:	Exposure time: 9 Test Type: flow-			
		LC 50 (Lepomis Exposure time: 9	macrochirus (Bluegill sunfish)): 0.28 mg/l 96 h		
Toxicity to daphnia and other aquatic invertebrates	:	EC 50 (Daphnia Exposure time: 4	magna (Water flea)): 0.16 mg/l 48 h		
Toxicity to algae	:	EC 50 (Selenast Exposure time: 7	trum capricornutum (green algae)): 0.018 mg/l 72 h		
		NOEC (Selenas mg/l Exposure time:	trum capricornutum (green algae)): 0.0099		
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	NOEC (Daphnia magna (Water flea)): 0.172 mg/l End point: Reproduction Test Exposure time: 21 d			
		see user defined 0.572 mg/l End point: Repro Exposure time: 2			
Toxicity to microorganisms	:	EC 50 (Bacteria) Exposure time:			
SULFURIC ACID:					
Toxicity to fish	:	LC 50 (Lepomis Exposure time: 9 Method: Static Remarks: Morta			
		LC 50 (Lepomis Exposure time: 9 Method: Static Remarks: Morta			
Toxicity to daphnia and other aquatic invertebrates	:	EC 50 (Daphnia Exposure time: 4 Method: Static	magna (Water flea)): > 100 mg/l 48 h		
Toxicity to algae	:	EC50 (Desmode Exposure time: 7	esmus subspicatus (green algae)): > 100 mg/l 72 h		

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2-METHYL-4-ISOTHIAZOLIN-3-ONE:

Toxicity to fish :	LC 50 (Oncorhynchus mykiss (rainbow trout)): 4.77 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other : aquatic invertebrates	EC 50 (Water flea (Daphnia magna)): > 0.93 mg/l Exposure time: 48 h
Toxicity to algae :	EC 50 (Selenastrum capricornutum (green algae)): 0.158 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
Toxicity to daphnia and other : aquatic invertebrates (Chronic toxicity)	NOEC (Daphnia magna (Water flea)): 0.04 mg/l Exposure time: 21 d
Persistence and degradability	

Components:

bronopol (INN):		
Biodegradability	:	Inoculum: activated sludge Result: Readily biodegradable. Biodegradation: 70 - 80 % Exposure time: 28 d Method: OECD Test Guideline 301B
Chemical Oxygen Demand (COD)	:	600 mg/g Remarks: Chemical Oxygen Demand (COD)
5-CHLORO-2-METHYL-4-ISC	ЭΤΗ	IIAZOLIN-3-ONE:
Biodegradability	:	Result: Inherently biodegradable. Method: OECD Test Guideline 301B
Stability in water	:	Degradation half life: 17.3 h (25 °C) Method: OECD Test Guideline 301B
2-METHYL-4-ISOTHIAZOLIN	-3-0	ONE:
Biodegradability	:	Result: Inherently biodegradable. Method: OECD Test Guideline 301B
Stability in water	:	Degradation half life: 9.1 h (25 °C) Method: OECD Test Guideline 301B
Bioaccumulative potential		
Components:		
bronopol (INN):		
Partition coefficient: n- octanol/water	:	log Pow: 0.22 (24 °C) pH: 7

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Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Components:

5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE:

Additional ecological	:	No data available
information		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal	methods
----------	---------

Waste from residues	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
	Dispose of in accordance with all applicable local, state and federal regulations.
Contaminated packaging	Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD	SUBSIDIARY	PACKING	MARINE
		CLASS	HAZARDS	GROUP	POLLUTANT /
					LTD. QTY.

U.S. DOT - ROAD

UN	3265	Corrosive liquid, acidic, organic,	8	I
		n.o.s. (5-CHLORO-2-METHYL-		
		4-ISOTHIAZOLIN-3-ONE)		
		· · · · ·		

U.S. DOT - RAIL

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UN	3265	Corrosive liquid, acidic, organic,	8	
		n.o.s. (5-CHLORO-2-METHYL-		
		4-ISOTHIAZOLIN-3-ONE)		

U.S. DOT - INLAND WATERWAYS

l	JN	3265	Corrosive liquid, acidic, organic, n.o.s. (5-CHLORO-2-METHYL- 4-ISOTHIAZOLIN-3-ONE)	8	II	
			4-100 11 11A20EIN-3-0NE)			

TRANSPORT CANADA - ROAD

UN	3265	CORROSIVE LIQUID, ACIDIC,	8	II
		ORGANIC, N.O.S. (5-		
		CHLORO-2-METHYL-4-		
		ISOTHIAZOLIN-3-ONE)		

TRANSPORT CANADA - RAIL

U	IN 320	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5- CHLORO-2-METHYL-4- ISOTHIAZOLIN-3-ONE)	8	II

INTERNATIONAL MARITIME DANGEROUS GOODS

UN	3265	CORROSIVE LIQUID, ACIDIC,	8	II	
		ORGANIC, N.O.S. (5-			
		CHLORO-2-METHYL-4-			
		ISOTHIAZOLIN-3-ONE)			

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN	3265	Corrosive liquid, acidic, organic,	8	I
		n.o.s. (5-CHLORO-2-METHYL-		
		4-ISOTHIAZOLIN-3-ONE)		

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

4-1501 HIAZOLIN-3-ONE)	UN	3265	Corrosive liquid, acidic, organic, n.o.s. (5-CHLORO-2-METHYL-	8	II
			4-ISOTHIAZOLIN-3-ONE)		

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

UN	3265	LIQUIDO CORROSIVO,	8	II	
		ACIDO, ORGANICO, N.E.P. (5-			
		CHLORO-2-METHYL-4-			
		ISOTHIAZOLIN-3-ONE)			
		· · · · ·			

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

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Marine pollutant	no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
SULFURIC ACID	7664-93-9	1000	104177

SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.		Calculated product RQ
		(lbs)	(lbs)
SULFURIC ACID	7664-93-9	1000	104177

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	:	Corrosive to metals Skin corrosion or irritation Serious eye damage or eye irritation Respiratory or skin sensitization
SARA 313	:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis)

reporting levels established by SARA Title III, Section 313.

California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.

DSL	:	All components of this product are on the Canadian DSL
AICS	:	On the inventory, or in compliance with the inventory
ENCS	:	Not in compliance with the inventory
KECI	:	On the inventory, or in compliance with the inventory
PICCS	:	On the inventory, or in compliance with the inventory
IECSC	:	On the inventory, or in compliance with the inventory
TCSI	:	On the inventory, or in compliance with the inventory

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TSCA

: On the inventory, or in compliance with the inventory

Biocides

74655-38

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:

Danger, Corrosive., Causes irreversible eye damage., Causes skin burns., Harmful if swallowed or absorbed through the skin., Do not get in eyes, on skin or on clothing., Harmful if inhaled., Avoid breathing spray mist., Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

TSCA list

Skin Sens.

STOT SE

The following substance(s) is/are subject to a Significant New Use Rule: MERCURY 7439-97-6

The following substance(s) is/are subject to TSCA 12(b) export notification requirements: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE 26172-55-4

SECTION 16. OTHER INFORMATION

Further information Revision Date: 07/25/2018

Full text of H-Statements

i un text of in-otatements		
H290	:	May be corrosive to metals.
H301	:	Toxic if swallowed.
H302	:	Harmful if swallowed.
H311	:	Toxic in contact with skin.
H312	:	Harmful in contact with skin.
H314	:	Causes severe skin burns and eye damage.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H330	:	Fatal if inhaled.
H335	:	May cause respiratory irritation.
Full text of other abbreviatio	ns	
Acute Tox.	:	Acute toxicity
Eye Dam.	:	Serious eye damage
Met. Corr.	:	Corrosive to metals
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation

Skin sensitisation

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Further information

Other information

: The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by the Solenis Environmental Health and Safety Department.

Sources of key data used to compile the Safety Data Sheet Key literature references and sources of data SOLENIS Internal data SOLENIS internal data including own and sponsored test reports The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; 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 and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance 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

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