

## SAFETY DATA SHEET

Revision Date: 03/18/2021

Print Date: 04/14/2022

SDS Number: 000000255036

Version: 2.0

Biosperse™ CN2150 MICROBIOCIDE  
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### SECTION 1. IDENTIFICATION

#### Product identifier

Trade name : Biosperse™ CN2150  
 MICROBIOCIDE  
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 registered in various countries

#### Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Biocide

<b>Details of the supplier of the safety data sheet</b> Solenis LLC 500 Hercules Road Wilmington, Delaware 19808 United States of America (USA)  RegulatoryRequestsNA@solenis.com Solenis LLC	<b>Emergency telephone number</b> 1-844-SOLENIS (844-765-3647)  <b>Product Information</b> Contact your local Solenis representative
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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion : Category 1B

Serious eye damage : Category 1

Skin sensitisation : Category 1

#### GHS label elements

Hazard pictograms :  

Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**  
 P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

**SAFETY DATA SHEET**

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P264 Wash skin thoroughly after handling.  
P272 Contaminated work clothing must 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.

**Storage:**

P405 Store locked up.

**Disposal:**

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

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Components**

Chemical name	CAS-No.	Classification	Concentration (%)
5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	26172-55-4	Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317	>= 1 - < 1.5
2-METHYL-4-ISOTHIAZOLIN-3-ONE	2682-20-4	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 STOT SE 3; H335	>= 0.1 - < 0.5

Actual concentration is withheld as a trade secret

## SAFETY DATA SHEET

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### SECTION 4. FIRST AID MEASURES

- |   |   |
|---|---|
| General advice  | <ul style="list-style-type: none"> <li>: Move out of dangerous area.<br/>                     Consult a physician.<br/>                     Show this safety data sheet to the doctor in attendance.<br/>                     Do not leave the victim unattended.</li> </ul>  |
| If inhaled  | <ul style="list-style-type: none"> <li>: Move to fresh air.<br/>                     If breathed in, move person into fresh air.<br/>                     Keep patient warm and at rest.<br/>                     If unconscious, place in recovery position and seek medical advice.<br/>                     If symptoms persist, call a physician.</li> </ul>  |
| In case of skin contact                                     | <ul style="list-style-type: none"> <li>: Remove contaminated clothing. If irritation develops, get medical attention.<br/>                     If on skin, rinse well with water.<br/>                     Wash contaminated clothing before re-use.</li> </ul>   |
| In case of eye contact                                      | <ul style="list-style-type: none"> <li>: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.<br/>                     Continue rinsing eyes during transport to hospital.<br/>                     Remove contact lenses.<br/>                     Protect unharmed eye.</li> </ul>   |
| If swallowed  | <ul style="list-style-type: none"> <li>: Get medical attention immediately.<br/>                     Do NOT induce vomiting.<br/>                     Rinse mouth with water.<br/>                     Do not give milk or alcoholic beverages.<br/>                     Never give anything by mouth to an unconscious person.<br/>                     If symptoms persist, call a physician.</li> </ul>  |
| Most important symptoms and effects, both acute and delayed | <ul style="list-style-type: none"> <li>: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:<br/>                     stomach or intestinal upset (nausea, vomiting, diarrhea)<br/>                     irritation (nose, throat, airways)<br/>                     May cause an allergic skin reaction.<br/>                     Causes serious eye damage.<br/>                     Causes severe burns.</li> </ul> |
| Notes to physician  | <ul style="list-style-type: none"> <li>: No hazards which require special first aid measures.</li> </ul>  |

### SECTION 5. FIREFIGHTING MEASURES

- |                              |   |
|------------------------------|---|
| Suitable extinguishing media | <ul style="list-style-type: none"> <li>: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br/>                     Water spray<br/>                     Foam<br/>                     Carbon dioxide (CO<sub>2</sub>)</li> </ul> |
|------------------------------|---|

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### 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 : Carbon monoxide  
 Carbon dioxide (CO<sub>2</sub>)  
 hydrogen chloride  
 Nitrogen oxides (NO<sub>x</sub>)  
 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, protective equipment and emergency procedures : Use personal protective equipment.  
 Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.  
 Comply with all applicable federal, state, and local regulations.
- 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 : 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.  
 Container hazardous when empty.  
 Avoid exposure - obtain special instructions before use.  
 Avoid contact with skin and eyes.

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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              | : <ul style="list-style-type: none"> <li>Keep container tightly closed in a dry and well-ventilated place.</li> <li>Containers which are opened must be carefully resealed and kept upright to prevent leakage.</li> <li>Observe label precautions.</li> <li>Electrical installations / working materials must comply with the technological safety standards.</li> </ul> |
| Further information on storage stability | : <ul style="list-style-type: none"> <li>No decomposition if stored and applied as directed.</li> </ul>   |

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- |                             |  |
|-----------------------------|--|
| <b>Engineering measures</b> | : <ul style="list-style-type: none"> <li>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.</li> </ul> |
|-----------------------------|--|

### Personal protective equipment

#### Hand protection

- |         |   |
|---------|---|
| Remarks | : <ul style="list-style-type: none"> <li>The suitability for a specific workplace should be discussed with the producers of the protective gloves.</li> </ul> |
|---------|---|

#### Eye protection

- |  |
|--|
| : <ul style="list-style-type: none"> <li>Safety glasses</li> </ul> |
|--|

#### Skin and body protection

- |   |
|---|
| : <ul style="list-style-type: none"> <li>Wear as appropriate:</li> <li>Impervious clothing</li> <li>Chemical resistant apron</li> <li>Safety shoes</li> <li>Choose body protection according to the amount and concentration of the dangerous substance at the work place.</li> <li>Discard gloves that show tears, pinholes, or signs of wear.</li> <li>Wear resistant gloves (consult your safety equipment supplier).</li> </ul> |
|---|

#### Hygiene measures

- |  |
|--|
| : <ul style="list-style-type: none"> <li>Wash hands before breaks and at the end of workday.</li> <li>When using do not eat or drink.</li> <li>Ensure that eyewash stations and safety showers are close to the workstation location.</li> </ul> |
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When using do not smoke.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	Aqueous solution
Colour	:	green, yellow
Odour	:	slight, aromatic
Odour Threshold	:	No data available
pH	:	2 - 5
Melting point/freezing point	:	ca. 28 °F / -2 °C
Boiling point/boiling range	:	ca. 219 °F / 104 °C
Flash point	:	Not applicable
Evaporation rate	:	> 1 Ethyl Ether
Flammability (solid, gas)	:	No data available
Self-ignition	:	No data available
Upper explosion limit / Upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Vapour pressure	:	ca. 23 hPa (68 °F / 20 °C) similar to water
Relative vapour density	:	No data available
Relative density	:	No data available
Density	:	1.01 - 1.032 g/cm3 (77 °F / 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

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**Viscosity**

Viscosity, dynamic : ca. 8 mPa.s (70 °F / 21 °C)

Viscosity, kinematic : No data available

Oxidizing properties : No data available

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**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.

Incompatible materials : Metals  
Strong oxidizing agents

Hazardous decomposition products : Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Hydrogen chloride gas  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur oxides  
acid vapors  
Chlorine  
chlorine oxide

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

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

Acute oral toxicity : Assessment: The component/mixture is classified as acute oral toxicity, category 3.

Acute inhalation toxicity : Assessment: The component/mixture is classified as acute inhalation toxicity, category 3.

Acute dermal toxicity : Assessment: The component/mixture is classified as acute dermal toxicity, category 3.

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

Acute oral toxicity : LD50 (Rat, female): 183 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

**SAFETY DATA SHEET**

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LD50 (Rat, male): 235 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : LC50 (Rat): 0.11 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes  
Assessment: Corrosive to the respiratory tract.

Acute dermal toxicity : LD50 (Rat): 242 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

**Skin corrosion/irritation**

Causes severe burns.

**Product:**

Remarks : May cause skin irritation in susceptible persons.  
Causes severe skin burns and eye damage.

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

Result : Corrosive after 3 minutes to 1 hour of exposure

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

Species : Rabbit  
Method : OECD Test Guideline 404  
Result : Corrosive after 3 minutes to 1 hour of exposure

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Remarks : May cause irreversible eye damage.

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

## SAFETY DATA SHEET

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### 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.

#### Components:

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

Result : May cause sensitisation by skin contact.

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

Test Type	:	Local lymph node assay (LLNA)
Species	:	Mouse
Method	:	OECD Test Guideline 429
Result	:	May cause sensitisation by skin contact.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

#### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

Not classified based on available information.

#### Components:

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

Exposure routes	:	Inhalation
Target Organs	:	Respiratory Tract
Assessment	:	May cause respiratory irritation.

## SAFETY DATA SHEET

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### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Product:

Remarks : No data available

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

- |   |  |
|---|--|
| Toxicity to fish                                    | : LC50 (Oncorhynchus mykiss (rainbow trout)): 6.16 mg/l<br>Exposure time: 96 h<br>Test Type: static test |
|   | LC50 (Pimephales promelas (fathead minnow)): 6.59 mg/l<br>Exposure time: 96 h<br>Test Type: static test  |
| Toxicity to daphnia and other aquatic invertebrates | : LC 50 (Water flea (Ceriodaphnia dubia)): 17.7 mg/l<br>Exposure time: 7 d<br>Test Type: static test     |
|   | NOEC (Water flea (Ceriodaphnia dubia)): 12.5 mg/l<br>Exposure time: 7 d<br>Test Type: static test        |

### Ecotoxicology Assessment

- |                          |   |
|--------------------------|---|
| Acute aquatic toxicity   | : Acute aquatic toxicity Category 2; Toxic to aquatic life.                             |
| Chronic aquatic toxicity | : Chronic aquatic toxicity Category 2; Toxic to aquatic life with long lasting effects. |

### Components:

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

- |                               |   |
|-------------------------------|---|
| Toxicity to fish              | : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.19 mg/l<br>Exposure time: 96 h<br>Test Type: flow-through test<br>Method: OECD Test Guideline 203 |
|                               | LC50 (Lepomis macrochirus (Bluegill sunfish)): 0.28 mg/l<br>Exposure time: 96 h   |
| Toxicity to daphnia and other | : EC 50 (Daphnia magna (Water flea)): 0.16 mg/l   |

## SAFETY DATA SHEET

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aquatic invertebrates	Exposure time: 48 h
Toxicity to algae/aquatic plants	: EC 50 (Selenastrum capricornutum (green algae)): 0.018 mg/l Exposure time: 72 h
	NOEC (Selenastrum capricornutum (green algae)): 0.0099 mg/l Exposure time:
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 free text (Daphnia magna (Water flea)): 0.572 mg/l End point: Reproduction Test Exposure time: 21 d
Toxicity to microorganisms	: EC 50 (Bacteria): 5.7 mg/l Exposure time: 16 h

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

Toxicity to fish	: LC50 (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 (Daphnia magna (Water flea)): > 0.93 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: 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:

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

Biodegradability	: Result: Inherently biodegradable. Method: OECD Test Guideline 301B
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**SAFETY DATA SHEET**

Revision Date: 03/18/2021

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Stability in water : Degradation half life: 9.1 h (25 °C)  
Method: OECD Test Guideline 301B

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

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

Additional ecological information : No data available

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**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.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

UN number : UN 3265  
Proper shipping name : Corrosive liquid, acidic, organic, n.o.s. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE)

## SAFETY DATA SHEET

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Class : 8  
 Packing group : II  
 Packing instruction (cargo aircraft) : 855  
 Packing instruction (passenger aircraft) : 851

### IMDG-Code

UN number : UN 3265  
 Proper shipping name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE)  
 Class : 8  
 Packing group : II  
 EmS Code : F-A, S-B  
 Marine pollutant : yes

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### National Regulations

#### 49 CFR

UN number : UN 3265  
 Proper shipping name : Corrosive liquid, acidic, organic, n.o.s. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE)  
 Class : 8  
 Packing group : II  
 ERG Code : 153  
 Marine pollutant : no

### 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

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

#### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
CUPRIC NITRATE ANHYDROUS	3251-23-8	100	52631

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

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

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

**SAFETY DATA SHEET**

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<b>SARA 311/312 Hazards</b>	:	Respiratory or skin sensitization Skin corrosion or irritation Serious eye damage or eye irritation
<b>SARA 313</b>	:	The following components are subject to reporting levels established by SARA Title III, Section 313:
		MAGNESIUM      10377-60-3      2.25 % NITRATED HEXAHYDRATE

**California Prop. 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

TCSI	:	On the inventory, or in compliance with the inventory
TSCA	:	On or in compliance with the active portion of the TSCA inventory
AIIC	:	On the inventory, or in compliance with the inventory
DSL	:	All components of this product are on the Canadian DSL
ENCS	:	On the inventory, or 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

**TSCA list**

No substances are subject to a Significant New Use Rule.

**Biocides**

EPA Reg. # 74655-20

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:

Corrosive., Causes irreversible eye damage and skin burns., May cause allergic skin reaction., Harmful if inhaled., Harmful if swallowed or absorbed through the skin., Do not get in eyes, on skin or on clothing., This product may cause skin sensitization reactions in some people.

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### SECTION 16. OTHER INFORMATION

#### Further information

Revision Date : 03/18/2021

#### Full text of H-Statements

- H301 : Toxic if swallowed.
- H311 : Toxic in contact with skin.
- H314 : Causes severe skin burns and eye damage.
- H317 : May cause an allergic skin reaction.
- H318 : Causes serious eye damage.
- H330 : Fatal if inhaled.
- H331 : Toxic if inhaled.
- H335 : May cause respiratory irritation.

#### Full text of other abbreviations

- Acute Tox. : Acute toxicity
- Eye Dam. : Serious eye damage
- Skin Corr. : Skin corrosion
- Skin Sens. : Skin sensitisation
- STOT SE : Specific target organ toxicity - single exposure

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-

**SAFETY DATA SHEET**

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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

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.

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