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## SECTION 1. IDENTIFICATION

### Product identifier

Trade name : Biosperse™ CN2150  
MICROBIOCIDE  
™ Trademark, Solenis or its subsidiaries or affiliates,  
registered in various countries

Registration number :

### 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 29 CFR 1910.1200

Oxidizing liquids : 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 : H271 May cause fire or explosion; strong oxidizer.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.

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**Precautionary statements**
**Prevention:**

- P210 Keep away from heat.
- P220 Keep/Store away from clothing/ combustible materials.
- P221 Take any precaution to avoid mixing with combustibles.
- 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.
- P283 Wear fire/ flame resistant/ retardant clothing.

**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.
- P306 + P360 IF ON CLOTHING: rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
- P363 Wash contaminated clothing before reuse.
- P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
- P371 + P380 + P375 In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

**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**

Substance / Mixture : Mixture

**Hazardous components**

Chemical name	CAS-No.	Classification	Concentration (%)
5-CHLORO-2-METHYL-4-	26172-55-4	Skin Corr. 1; H314	>= 1 - < 1.5

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ISOTHIAZOLIN-3-ONE		Eye Dam. 1; H318 Skin Sens. 1; H317	
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	>= 0.1 - < 0.5

#### 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)  
May cause an allergic skin reaction.  
Causes serious eye damage.  
Causes severe burns.  
May cause an allergic skin reaction.

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Causes serious eye damage.  
 Causes severe burns.

Notes to physician : No hazards which require special first aid measures.

**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 : Nitrogen oxides (NOx)  
 Carbon monoxide  
 Carbon dioxide (CO2)  
 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, 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.

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**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 with workplace control parameters**

Contains no substances with occupational exposure limit values.

- 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 equipment**

**Hand protection**

- 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.

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- Skin and body protection : Wear resistant gloves (consult your safety equipment supplier).  
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.
- 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.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : Aqueous solution
- Colour : green  
yellow
- Odour : slight  
aromatic
- Odour Threshold : No data available
- pH : ca. 2 - 5
- Melting point/freezing point : ca. -2 °C
- Boiling point/boiling range : ca. 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 : Not applicable
- Lower explosion limit : Not applicable
- Vapour pressure : ca. 23 hPa (20 °C)  
similar to water

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Relative vapour density : > 1  
AIR=1

Relative density : No data available

Density : 1.01 - 1.032 g/cm<sup>3</sup> (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 : ca. 8 mPa.s (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 : Dimethylformamide  
Metals  
Organic materials  
Strong oxidizing agents

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

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#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Acute toxicity

Not classified based on available information.

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**Product:**

- Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method
- Acute inhalation toxicity : Acute toxicity estimate: 126.31 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method
- Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

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

- Acute inhalation toxicity : (Rat): 0.33 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

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

- Acute oral toxicity : LD50 (Rat, female): 183 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes
- LD50 (Rat, male): 235 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes
- 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.**

Result: Repeated exposure may cause skin dryness or cracking.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Remarks: May cause irreversible eye damage.



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**Components:****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.

**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 identified as a carcinogen or potential carcinogen by OSHA.

**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.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

Not classified based on available information.

**Further information****Product:**

Remarks: No data available

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**


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

**Ecotoxicology Assessment**

- Acute aquatic toxicity : Acute aquatic toxicity Category 2; Toxic to aquatic life.
- Chronic aquatic toxicity : Not classified based on available information.

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

- Toxicity to fish : LC 50 (Oncorhynchus mykiss (rainbow trout)): 0.19 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203
- LC 50 (Lepomis macrochirus (Bluegill sunfish)): 0.28 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC 50 (Daphnia magna (Water flea)): 0.16 mg/l  
Exposure time: 48 h
- Toxicity to algae : 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

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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 : 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**

**Product:**

Biodegradability : Test Type: Zahn-Wellens Test  
Biodegradation: < 70 %  
Exposure time: 28 d

Biochemical Oxygen Demand (BOD) : Biochemical oxygen demand  
0 mg/g  
Incubation time: 28 d

: Biochemical oxygen demand within 5 days  
0 mg/g  
Incubation time: 5 d

Chemical Oxygen Demand (COD) : 17 mg/g

**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

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**2-METHYL-4-ISOTHIAZOLIN-3-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**

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.

**Components:**

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

Additional ecological information : No data available

**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 CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

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**U.S. DOT - ROAD**

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

**U.S. DOT - RAIL**

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

**U.S. DOT - INLAND WATERWAYS**

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

**TRANSPORT CANADA - ROAD**

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

**TRANSPORT CANADA - RAIL**

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

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

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

**INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

UN	3265	Corrosive liquid, acidic, organic, n.o.s. (5-CHLORO-2-METHYL- 4-ISOTHIAZOLIN-3-ONE)	8	II
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**MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES**

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

\*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

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 (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.

- SARA 311/312 Hazards** :
- Oxidiser (liquid, solid or gas)
  - Skin corrosion or irritation
  - Serious eye damage or eye irritation
  - Respiratory or skin sensitization
  - Oxidiser (liquid, solid or gas)
  - Hazard not otherwise classified (physical hazards)
  - 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**

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:**

- DSL : All components of this product are on the Canadian DSL

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- AICS : On the inventory, or in compliance with the inventory
- 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
- TCSI : On the inventory, or in compliance with the inventory
- TSCA : On TSCA Inventory

**Biocides**

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.

**TSCA list**

No substances are subject to a Significant New Use Rule.

**SECTION 16. OTHER INFORMATION**
**Further information**


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**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.

**Full text of other abbreviations**

- Acute Tox. : Acute toxicity
- Eye Dam. : Serious eye damage
- Skin Corr. : Skin corrosion
- Skin Sens. : 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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