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**SECTION 1. IDENTIFICATION**

**Product identifier**

Trade name : SIRONA S/C WATER LINE CONTROL

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

Use of the Substance/Mixture : Water treatment chemical

<p><b>Details of the supplier of the safety data sheet</b>          Innovative Water Care, LLC D/B/A GLB Pool &amp; Spa          1400 Bluegrass Lakes Parkway          Alpharetta, GA 30004          United States of America (USA)</p> <p>EHSProductSafetyTeam@solenis.com</p>	<p><b>Emergency telephone number</b>          1-800-654-6911 (Outside the USA:1-423-780-2970)</p> <p><b>Product Information</b>          1-800-511-6737 (Outside the USA:1-423-780-2347)</p>
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**SECTION 2. HAZARDS IDENTIFICATION**

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

Serious eye damage : Category 1

**GHS label elements**

Hazard pictograms :




Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

Precautionary statements : **Prevention:**  
 P280 Wear eye protection/ face protection.

**Response:**  
 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.

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**Other hazards**

None known.

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

Substance / Mixture : Mixture

**Components**


Chemical name	CAS-No.	Classification	Concentration (%)
PROPYLENE GLYCOL	57-55-6	This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).	>= 20 - < 30
DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE	61789-80-8	Eye Dam. 1; H318	>= 1.5 - < 5

Actual concentration is withheld as a trade secret

---

**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 : If breathed in, move person into fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
- 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 : Obtain medical attention.  
Do NOT induce vomiting.  
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 : This material is an aspiration hazard. Potential danger from

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and effects, both acute and delayed

aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.  
 Administration of high doses of isopropanol in combination with known hepatotoxic chemicals resulted in enhanced liver toxicity in experimental animals.  
 Causes serious eye damage.  
 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)

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

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### 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 : Carbon monoxide  
 Carbon dioxide (CO2)  
 organic compounds  
 nitrogen compounds
- 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.

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### 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.

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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.  
 Container hazardous when empty.  
 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.  
 Electrical installations / working materials must comply with the technological safety standards.

Recommended storage temperature : 41 - 104 °F / 5 - 40 °C

Further information on storage stability : No decomposition if stored and applied as directed.


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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
PROPYLENE GLYCOL	57-55-6	TWA	10 mg/m <sup>3</sup>	US WEEL

**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.

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### Personal protective equipment

#### Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Safety glasses

Skin and body protection : Wear as appropriate:  
 Impervious clothing  
 Safety shoes  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
 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.  
 When using do not smoke.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : opaque, milky, white

Odour : sweet

Odour Threshold : No data available

No data available

pH : 6 - 9

Melting point/freezing point : No data available

No data available

Boiling point/boiling range : No data available

No data available

Flash point : No data available

Evaporation rate : No data available

No data available

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- Flammability (solid, gas) : No data available  
No data available
- Self-ignition : No data available  
No data available
- Upper explosion limit / Upper flammability limit : No data available  
No data available
- Lower explosion limit / Lower flammability limit : No data available  
No data available
- Vapour pressure : No data available  
No data available
- Relative vapour density : No data available  
No data available
- Relative density : 0.97 (77 °F / 25 °C)
- Density : No data available
- Solubility(ies)
  - Water solubility : 15 g/l (68 °F / 20 °C)
  - Solubility in other solvents : No data available  
No data available
- Partition coefficient: n-octanol/water : No data available  
No data available
- Decomposition temperature : No data available  
No data available
- Viscosity
  - Viscosity, dynamic : No data available  
No data available
  - Viscosity, kinematic : No data available  
No data available

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Oxidizing properties : No data available

No data available

Particle size : No data available

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

No decomposition if stored and applied as directed.

Chemical stability : Stable under recommended storage conditions.

Stable under recommended storage conditions.

Possibility of hazardous reactions : Product will not undergo hazardous polymerization.  
Product will not undergo hazardous polymerization.


Conditions to avoid : excessive heat  
Heat, flames and sparks.  
Exposure to sunlight.  
Exposure to moisture

excessive heat  
Exposure to sunlight.  
Exposure to moisture

Incompatible materials : Acids  
Aldehydes  
alkalis  
Amines  
Ethylene oxide  
halogenated hydrocarbons  
halogens  
isocyanates  
strong bases  
Strong oxidizing agents  
UV light.  
Do not use with aluminum equipment at temperatures above 49C or 120 degrees F.

isocyanates  
Strong acids  
strong bases  
Strong oxidizing agents  
UV light.

Hazardous decomposition products : Aldehydes  
Alcohols  
Carbon monoxide  
Carbon dioxide (CO2)

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		dioxolanes
		ethers
		Organic acids
		nitrogen compounds
Hazardous decomposition products	:	Aldehydes
		Alcohols
		Carbon monoxide
		Carbon dioxide (CO <sub>2</sub> )
		dioxolanes
		ethers
		Organic acids
		nitrogen compounds

---

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Not classified based on available information.

### Components:

#### **PROPYLENE GLYCOL:**

Acute oral toxicity : LD50 (Rat): 21.0 - 33.7 g/kg

Acute dermal toxicity : LD50 (Rabbit): 28 g/kg

#### **DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
 Assessment: No adverse effect has been observed in acute oral toxicity tests.  
 Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity : LC50 (Rat): > 180 mg/l  
 Exposure time: 1 h  
 Test atmosphere: dust/mist  
 Remarks: No mortality observed at this dose.

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
 Assessment: No adverse effect has been observed in acute dermal toxicity tests.

### **Skin corrosion/irritation**


Not classified based on available information.

### Components:

#### **PROPYLENE GLYCOL:**

Result : Not irritating to skin



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**DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE:**

Species : Rabbit  
 Result : Slightly to moderately irritating to skin  
 Remarks : Information given is based on data obtained from similar substances.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Remarks : May cause irreversible eye damage.

**Components:**

**PROPYLENE GLYCOL:**

Result : Possibly irritating to eyes

**DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE:**

Species : Rabbit  
 Result : Corrosive to eyes  
 Remarks : Information given is based on data obtained from similar substances.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Components:**

**DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE:**

Test Type : Maximisation Test  
 Species : Guinea pig  
 Method : OECD Test Guideline 406

**Germ cell mutagenicity**

Not classified based on available information.


**Components:**

**DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE:**

Genotoxicity in vitro : Test Type: Ames test  
 Test system: Salmonella typhimurium  
 Metabolic activation: with and without metabolic activation  
 Result: negative

**Carcinogenicity**

Not classified based on available information.

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**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.

**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:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : Not classified based on available information.

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


**Components:**

**PROPYLENE GLYCOL:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 29,485 - 39,339 mg/l  
Exposure time: 96 h  
Test Type: semi-static test

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 10,000 mg/l  
Exposure time: 48 h  
Test Type: static test

**DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE:**

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Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 21.3 mg/l  
 Exposure time: 96 h  
 Test Type: semi-static test  
 Remarks: Information given is based on data obtained from similar substances.

Toxicity to daphnia and other aquatic invertebrates : LC 50 (Daphnia magna (Water flea)): 0.16 mg/l  
 Exposure time: 48 h

Toxicity to algae/aquatic plants : NOEC (Scenedesmus capricornutum (fresh water algae)): 0.062 mg/l  
 End point: Growth inhibition  
 Exposure time: 120 h

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 0.053 mg/l  
 Exposure time: 33 d  
 Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 0.38 mg/l  
 Exposure time: 21 d  
 Test Type: semi-static test  
 Method: OECD Test Guideline 211  
 Remarks: Information given is based on data obtained from similar substances.

**Persistence and degradability**

**Components:**

**PROPYLENE GLYCOL:**

Biodegradability : Biodegradation: 81 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 301F

**DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE:**

Biodegradability : Result: Inherently biodegradable.  
 Biodegradation: 5 %  
 Exposure time: 28 d  
 Method: OECD Test Guideline 302B

**Bioaccumulative potential**


**Components:**

**PROPYLENE GLYCOL:**

Partition coefficient: n-octanol/water : log Pow: -0.92

**DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE:**

Partition coefficient: n-octanol/water : log Pow: ca. 3.99

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**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.

**Global warming potential**

**Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) of the United Nations Framework Convention on Climate Change (UNFCCC)**

**Components:**

**METHYL CHLORIDE:**

20-year global warming potential: 19.9  
 100-year global warming potential: 5.54  
 500-year global warming potential: 1.58  
 Atmospheric lifetime: 0.9 yr  
 Radiative efficiency: 0.005 Wm<sup>2</sup>ppb  
 Further information: Chlorocarbons and Hydrochlorocarbons

**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 Regulations**

**IATA-DGR**

Not regulated as a dangerous good

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**IMDG-Code**

Not regulated as a dangerous good

**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**

Not regulated as a dangerous good

**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**

**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** : Serious eye damage or eye irritation

**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.

**US State Regulations**

**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

WATER	7732-18-5
propane-1,2-diol	57-55-6
DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE	61789-80-8
propan-2-ol	67-63-0


**New Jersey Right To Know**

WATER	7732-18-5
propane-1,2-diol	57-55-6
DI(H-TALLOW)DIMETHYLAMMONIUM CHLORIDE	61789-80-8

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

TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

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- AIIC : On the inventory, or in compliance with the inventory
- DSL : All components of this product are on the Canadian DSL
- 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

#### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

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## SECTION 16. OTHER INFORMATION

### Further information

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### Full text of H-Statements

H318 : Causes serious eye damage.

### Full text of other abbreviations

Eye Dam. : Serious eye damage  
 US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)  
 US WEEL / TWA : 8-hr TWA

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

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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; 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

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.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. 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 a 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. This SDS has been prepared by the Solenis Environmental Health and Safety Department.

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