



## Safety Data Sheet (SDS)

### SECTION 1 IDENTIFICATION

**Product identifier** Solus Multipurpose Disinfectant  
**Description:** Aqueous Solution with Active Chlorine  
**Synonym:** Solus, Disinfectant  
**Product use:** Hard Surface Disinfectant  
Broad spectrum Disinfectant  
Hospital Disinfectant  
**Drug Identification Number:** 02557371 (367 ppm)  
**Name of supplier/manufacturer** Les Nettoyants Solus Inc.  
**Address** 12300 Rue de l'Avenir, Québec, Canada  
J7J 2K4  
**Emergency telephone number** Call the nearest anti-poison center

### SECTION 2 HAZARDOUS IDENTIFICATION

**Hazardous Classification:** This product is not considered hazardous as per Canadian classification.

Solus may cause irritation to the eyes, sensitive skin, and throat. The solution being stored in bottles, one should not try to smell or inhale the evaporations. During use, unless there is adequate ventilation there may be a build-up of fumes which may cause dizziness and nausea. Swallowing of the solution may cause irritation to the throat and digestive tract.

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Solus contains active chlorine compounds, mostly as hypochlorous acid (HOCl) generated from sodium chloride by means of electrolysis.

Main Ingredients	Symbol	CAS No	Wt%
Sodium Chloride	NaCl	7647-14-5	0.5%
Hypochlorous Acid	HOCl	7790-92-3	0.0367%
Water	H <sub>2</sub> O	7732-18-5	Remainder



#### **SECTION 4 FIRST AID MEASURES**

First-aid measures by route of exposure:

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|----------------|--|
| • Inhalation   | Remove at once to fresh air. If dizziness and nausea persist, seek medical attention.                                      |
| • Skin contact | When irritation occurs, flush the skin with warm water and wash with soap.   |
| • Eye contact  | When irritation occurs, flush with fresh water for a minimum of 5 minutes. If irritation persists, seek medical attention. |
| • Ingestion    | Drink fresh water to flush through and dilute.   |

**Most important symptoms and effects (acute or delayed):**

May cause slight irritation to the skin and eyes.

**Immediate medical attention and special treatment, if necessary:**

Treat symptoms. If symptoms persist, seek medical attention.

#### **SECTION 5 FIRE FIGHTING MEASURES**

There are non-fire-fighting measures required. Solus is a non-combustible, aqueous solution.

#### **SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:**

Solus is a biodegradable solution with a limited active chlorine period, and as such, poses no threat to the environment.

**Methods and materials for containment and cleaning up:**

A spill can be wiped up with disposable towels. There are no specific disposal instructions for the towels.

#### **SECTION 7 HANDLING AND STORAGE**

**Precautions for safe handling:**

Ensure good ventilation when applying to surfaces. For those with sensitive skin, please use gloves when applying to surfaces.

**Conditions for safe storage (including incompatible materials):**

Store in a cool, dry area, away from direct sunlight. Ensure containers are always sealed when not being used.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters, including occupational exposure guidelines or biological exposure limits and the source of those values:

Solus contains no substances which are subjected to reporting requirements.

Appropriate engineering controls:

Not Applicable.

Individual protection measures (e.g. personal protective equipment):

No personal protective equipment is normally required for using this product. For those with sensitive skin, please consider use gloves when applying to surfaces.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

• Appearance (physical state, colour, etc.)	Transparent, colourless liquid (like water)
• Odour	Faint smell of chlorine
• pH	5.0-7.0
• Melting point/Freezing point	0°C
• Initial boiling point/boiling range	100°C
• Relative density	Approximately 1000 kg/m <sup>3</sup> at 20°C
• Solubility	100% in water
• Oxidation/Reduction Potential (ORP)	+600 to +1200 mV
• Auto-ignition temperature	Not applicable
• Flash point	Not applicable
• Evaporation rate	Not applicable
• Flammability (solid; gas)	Not applicable
• Lower flammable/explosive limit	Not applicable
• Upper flammable/explosive limit	Not applicable

**SECTION 10 STABILITY AND REACTIVITY**

• Reactivity	Not reactive
• Chemical stability	Solution is stable when used in accordance with supplier's instructions
• Possibility of hazardous reactions	None known
• Conditions to avoid	None known
• Incompatible materials	None known
• Hazardous decomposition products	None known

**SECTION 11 TOXICOLOGICAL INFORMATION**

There are no known toxic health effects from exposure via inhalation, ingestion, skin or eye contact with this product. Slight irritations of the eye and skin are possible. Test data is not available.

**SECTION 12 ECOLOGICAL INFORMATION**

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|---------------------------------|--|
| • Ecotoxicity                   | With eventual loss in chlorine activity, product is not expected to be toxic to the environment. Test data is not available. |
| • Persistence and degradability | The product is expected to be biodegradable. Test data is not available.   |
| • Bioaccumulative potential     | No bioaccumulation expected. Test data is not available.   |
| • Mobility in soil              | Test data is not available   |
| • Other adverse effects         | None known   |

**SECTION 13 DISPOSAL CONSIDERATIONS**

There are no particular disposal procedures.

**SECTION 14 TRANSPORT INFORMATION**

This product is not regulated for the transportation of dangerous goods in Canada.

**SECTION 15 REGULATORY INFORMATION**

This product is not regulated under Canada's Workplace Hazardous Materials Information System (WHMIS). Nonetheless, this Safety Data Sheet has been prepared in accordance with Canada's Hazardous Products Regulations.

Solus Multipurpose Disinfectant (367 ppm) is registered with Health Canada under Drug Identification Number (DIN) 02557371, ensuring compliance with Canadian disinfectant regulations. For additional regulatory documentation or certification details, please contact Les Nettoyants Solus Inc.

**SECTION 16 OTHER INFORMATION**

Date of SDS preparation: May 9, 2025