



Safety Data Sheet (SDS)

SECTION 1 IDENTIFICATION

Product identifier	Solus Multipurpose Disinfectant 367PPM
Description:	Aqueous Solution with Active Chlorine
Synonym:	Solus, Disinfectant
Product use:	Hard Surface Disinfectant Broad spectrum Disinfectant Hospital Disinfectant Food premises Disinfectant
Drug Identification Number / Biocide:	02557371
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.

Other Hazards: Use contrary to the supplier's instructions or mixing this product with other cleaning products or chemicals may result in unpredictable chemical reactions, reduced product performance, or the formation of irritating substances. Avoid unnecessary eye contact. Prolonged or repeated exposure may cause mild irritation in sensitive individuals.

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%
Hypochlorite	ClO-	7790-92-3	0.0367%
Water	H ₂ O	7732-18-5	Remainder

SECTION 4 FIRST AID MEASURES

First-aid measures by route of exposure:

- Inhalation
- Skin contact
- Eye contact
- Ingestion

Move the affected person to fresh air. If respiratory irritation, dizziness, nausea, or other symptoms persist, seek medical attention.

Rinse thoroughly with water. If irritation persists, obtain medical advice.

Immediately flush with plenty of water for at least 15 minutes while holding eyelids open. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.

Rinse mouth with water. Drink a glass of water. Do not induce vomiting unless directed by medical personnel. Seek medical attention if symptoms develop.

Most important symptoms and effects (acute or delayed):

May cause mild temporary irritation of the eyes, skin, or respiratory tract.

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:

Avoid unnecessary eye contact. Ensure adequate ventilation when cleaning large spills. Wear appropriate protective equipment as required by the conditions of use.

Methods and materials for containment and cleaning up:

Contain the spill if it can be done safely. Absorb using inert absorbent material or wipe up with suitable absorbent material. Rinse the affected area with water. Dispose of waste in accordance with applicable regulations.

Environmental Precautions: Under normal conditions of use, the product is not expected to present a significant environmental hazard. However, avoid large releases into drains, waterways, or aquatic environments.

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 the original tightly closed container in a clean, dry, well-ventilated area away from direct sunlight. Store at room temperature (approximately 15 to 25°C). Protect from freezing and prolonged exposure to elevated temperatures. Ensure containers are always sealed when not being used.

Do not mix with other cleaning products or chemicals without first verifying compatibility. Always follow the supplier's instructions for use. Depending on the material, its composition, condition, finish, contaminants present, contact time, frequency of use, environmental conditions, and application method, corrosion, oxidation, discoloration, or surface deterioration may occur. Verify compatibility on a small test area before widespread use.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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

This product contains no substances requiring occupational exposure limits at the concentrations present.

Appropriate engineering controls:

No special engineering controls are normally required under normal conditions of use. Ensure adequate ventilation when the product is used in enclosed or poorly ventilated areas.

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

Eye Protection: Safety glasses are recommended where splashing may occur.

Hand Protection: Suitable protective gloves are recommended for prolonged or repeated exposure or for individuals with sensitive skin.

Respiratory Protection: Normally not required under normal conditions of use. Use appropriate respiratory protection if adequate ventilation cannot be maintained.

Hygiene Measures: Wash hands thoroughly after handling. Avoid unnecessary eye contact.

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 ³ 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

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| • 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 |

Incompatible Materials: Avoid mixing with strong acids, ammonia, ammonium compounds, reducing agents, hydrogen peroxide, strong oxidizing agents, or any chemical whose compatibility has not been verified. Such mixtures may reduce product effectiveness, result in chemical reactions, or produce irritating by-products. Certain materials or alloys may also be affected depending on their composition and conditions of use. Verify compatibility before application.

Avoid freezing, excessive temperatures, prolonged exposure to direct sunlight, and contamination of the product.

SECTION 11 TOXICOLOGICAL INFORMATION

No significant toxic effects are known under normal conditions of intended use. Direct eye contact may cause temporary irritation. Prolonged or repeated skin contact may cause mild irritation in sensitive individuals. Inhalation of mists or vapours in poorly ventilated areas may result in temporary respiratory irritation.

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

Dispose of the product, container, and any residues in accordance with applicable federal, provincial, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

This product is not regulated as a dangerous good under TDG (Canada), DOT (United States), IMDG, or IATA transportation regulations.

Transport the product in its original, tightly closed container at room temperature, protected from freezing, excessive temperatures, and direct sunlight to help maintain product stability.

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

The information contained in this Safety Data Sheet is provided in good faith and is based on the knowledge available at the date of preparation. It describes the health, safety, and environmental requirements associated with the product and does not constitute a warranty of suitability or performance for any specific application.

The user is responsible for ensuring that the product is used in accordance with the supplier's instructions, applicable laws and regulations, and recognized industry practices. Users are also responsible for verifying compatibility with materials, surfaces, equipment, and any other chemicals prior to use. Where compatibility has not been established, testing on a small area before widespread application is recommended.

Les Nettoyants Solus Inc. assumes no liability for damages resulting from misuse, use contrary to the supplier's instructions, product modification, mixing with incompatible products, or use under conditions that have not been evaluated or approved by the supplier.

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