Revision Date: 2026-05-25

# SAFETY DATA SHEET

According to SOR/2015-2017 (WHMIS 2015) and OSHA 29 CFR Parts 1910, 1915, 1926

## SECTION 1: Identification

| | |
|---|---|
| **Product Name** | Janitori™ ASSASSIN Surface Disinfectant RTU |
| **Product Code** | No.08 |
| **Recommended Use** | Ready-to-use surface disinfectant for hard, non-porous surfaces |
| **Restrictions on Use** | For professional / commercial use. Use only as directed on the product label. |

**Manufacturer / Supplier**

| | |
|---|---|
| **Company** | ERE Inc. |
| **Address** | 8605 Champ D'eau, Montréal, Québec, H1P 3B8, Canada |
| **Telephone** | (514) 326-8852 |
| **Fax** | (514) 326-8961 |
| **Website** | www.ereinc.com |
| **Emergency Phone** | CANUTEC 1-613-996-6666 |

## SECTION 2: Hazards Identification

**GHS / WHMIS Classification**

**Note:** This product is regulated under the Canadian Food and Drug Regulations as a disinfectant. It is exempt from WHMIS classification requirements. This SDS is provided voluntarily for workplace safety purposes.

**GHS Pictogram:** None required

### Signal Word: Caution

**Hazard Statements:**

- May irritate eyes.

**Precautionary Statements:**

- Avoid contact with eyes.
- Wash hands after handling.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice / attention.

### Other Hazards

Contains quaternary ammonium compounds. May cause eye irritation upon direct contact. Alkaline product (pH ~12).

## SECTION 3: Composition / Information on Ingredients

| Chemical Name | CAS No. | Concentration (%) | Classification |
|---|---|---|---|
| Diethyleneglycol butyl ether | 112-34-5 | 5 – 10 | Eye Irritation Cat. 2; H319 |
| Alkyl dimethyl benzyl ammonium chloride (C12-C16) | 68424-85-1 | 0.1 – 0.5 | Skin Corrosion 1B; H314<br>Acute Toxicity, Oral Cat. 4; H302<br>Eye Damage 1; H318 |
| Alkyl dimethyl ethylbenzyl ammonium chloride (C12-C16) | 68956-79-6 | 0.1 – 0.5 | Skin Irritation 2; H315<br>Acute Toxicity, Oral Cat. 4; H302<br>Eye Damage 1; H318 |
| Water | 7732-18-5 | Balance | Not classified |

## SECTION 4: First-Aid Measures

### Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Remove contact lenses, if present and easy to do. Get medical attention if irritation persists.

### Skin Contact

Wash affected area with soap and water. If irritation develops, get medical advice/attention. Remove contaminated clothing and launder before reuse.

### Inhalation

Move to fresh air. If breathing difficulty persists, seek medical attention.

### Ingestion

Rinse mouth with water. Do NOT induce vomiting. Give water to drink if conscious. Get medical attention immediately.

### Most Important Symptoms and Effects

Eye irritation (redness, tearing, stinging). Prolonged or concentrated skin contact may cause mild irritation.

### Indication of Immediate Medical Attention

Treat symptomatically. In case of ingestion, contact Poison Control Centre.

## SECTION 5: Fire-Fighting Measures

**Suitable Extinguishing Media**

Water spray, foam, dry chemical, carbon dioxide (CO2).

**Unsuitable Extinguishing Media**

None known.

**Specific Hazards Arising from the Chemical**

Product is water-based and non-flammable. Thermal decomposition may produce carbon oxides, nitrogen oxides, and hydrogen chloride gas.

**Special Protective Equipment for Fire-Fighters**

Wear self-contained breathing apparatus (SCBA) and full protective gear. Cool containers with water spray if exposed to fire.

## SECTION 6: Accidental Release Measures

**Personal Precautions, Protective Equipment, and Emergency Procedures**

Wear appropriate personal protective equipment (see Section 8). Avoid contact with eyes and prolonged skin contact. Ensure adequate ventilation. Caution: floor may become slippery.

**Environmental Precautions**

Prevent entry into drains, sewers, and waterways. Notify authorities if product enters drains or public waters. Contains quaternary ammonium compounds that may be toxic to aquatic organisms.

**Methods and Materials for Containment and Clean-Up**

Contain spill with inert absorbent material (sand, vermiculite, earth). Collect and place in suitable waste containers. Flush residual area with water.

## SECTION 7: Handling and Storage

**Precautions for Safe Handling**

Avoid contact with eyes and prolonged skin contact. Wash hands after handling. Use with adequate ventilation. Do not eat, drink, or smoke when using this product. Do not mix with other chemicals.

**Conditions for Safe Storage**

Store in original container, tightly closed, in a cool, dry, well-ventilated area. Protect from freezing. Keep out of reach of children. Storage temperature: 5–40°C.

**Incompatible Materials**

Strong acids, anionic surfactants, strong oxidizers.

## SECTION 8: Exposure Controls / Personal Protection

### Occupational Exposure Limits

| Component | Jurisdiction | OEL |
|---|---|---|
| Diethyleneglycol butyl ether (112-34-5) | ACGIH TLV | Not established |

No specific occupational exposure limits established for the quaternary ammonium compounds at the concentrations present.

### Engineering Controls

General room ventilation is normally adequate. Local exhaust ventilation if spraying generates mist in poorly ventilated areas.

### Personal Protective Equipment

| | |
|---|---|
| **Eye / Face** | Safety glasses recommended where splashing may occur. |
| **Skin** | Chemical-resistant gloves (e.g., nitrile) recommended for prolonged contact. |
| **Respiratory** | Not normally required. Use appropriate respiratory protection if mist is generated in enclosed areas. |
| **General Hygiene** | Wash hands before breaks and at end of workday. Remove contaminated clothing and launder before reuse. |

## SECTION 9: Physical and Chemical Properties

| | |
|---|---|
| **Appearance** | Yellow liquid |
| **Odour** | Lemon scent |
| **Odour Threshold** | Not determined |
| **pH** | ~12 |
| **Melting / Freezing Point** | ~0°C |
| **Boiling Point** | ~100°C |
| **Flash Point** | No flash point (not flammable) |
| **Evaporation Rate** | 0.4 (butyl acetate = 1) |
| **Flammability** | Not flammable |
| **Upper / Lower Flammability Limits** | Not applicable |
| **Vapour Pressure** | Similar to water |
| **Vapour Density** | Similar to water |
| **Specific Gravity** | 1.0 |
| **Solubility** | Miscible with water |
| **Partition Coefficient (n-octanol/water)** | Not determined |
| **Auto-Ignition Temperature** | Not applicable |
| **Decomposition Temperature** | Not determined |
| **Viscosity** | <100 cps |

## SECTION 10: Stability and Reactivity

**Reactivity**

Not reactive under normal conditions of use and storage.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing conditions. Mixing with strong acids may release chlorine gas.

**Conditions to Avoid**

Extreme temperatures, freezing. Do not mix with bleach, acids, or other cleaning products.

**Incompatible Materials**

Strong acids, anionic surfactants, strong oxidizers, hypochlorite solutions.

**Hazardous Decomposition Products**

Thermal decomposition may produce carbon oxides (CO, CO2), nitrogen oxides (NOx), and hydrogen chloride (HCl).

## SECTION 11: Toxicological Information

**Information on Likely Routes of Exposure**

| | |
|---|---|
| **Eye Contact** | May cause eye irritation (redness, stinging, tearing). Concentrated exposure to quaternary ammonium compounds may cause serious eye damage, but product is diluted RTU. |
| **Skin Contact** | Prolonged or repeated contact may cause mild skin irritation. At use dilution, not expected to cause skin corrosion. |
| **Inhalation** | Mist may cause irritation of the respiratory tract. |
| **Ingestion** | May cause nausea, vomiting, and gastrointestinal irritation if swallowed. |

**Numerical Measures of Toxicity**

Based on components at ready-to-use concentrations, the product is not classified for acute toxicity.

**Chronic Effects**

No chronic health effects expected from intended use.

**Sensitization**

Not classified as a skin or respiratory sensitizer.

**Carcinogenicity**

No ingredients listed by IARC, NTP, or OSHA as carcinogens.

## SECTION 12: Ecological Information

**Ecotoxicity**

Quaternary ammonium compounds are toxic to aquatic organisms at high concentrations. At ready-to-use dilution, environmental impact is expected to be minimal.

**Persistence and Degradability**

Quaternary ammonium compounds biodegrade over time. Diethyleneglycol butyl ether is readily biodegradable.

**Bioaccumulative Potential**

Not expected to bioaccumulate.

**Mobility in Soil**

Fully miscible with water; high mobility in soil. Quaternary ammonium compounds may adsorb to soil particles.

**Other Adverse Effects**

None known.

## SECTION 13: Disposal Considerations

**Waste Treatment Methods**

Dispose of contents and container in accordance with all local, provincial/state, and federal regulations. Do not pour unused product down drains in concentrated form. Small quantities of diluted product may be disposed of via sanitary sewer where permitted by local regulations. Empty containers may be recycled.

## SECTION 14: Transport Information

| | |
|---|---|
| **UN Number** | Not regulated |
| **UN Proper Shipping Name** | Not regulated |
| **Transport Hazard Class** | Not regulated |
| **Packing Group** | Not regulated |
| **Environmental Hazards** | Not classified as marine pollutant |
| **TDG (Canada)** | Not regulated |
| **DOT (USA)** | Not regulated |
| **IATA / IMDG** | Not regulated |

**Special Precautions for User**

None. Product is not classified as dangerous goods for transport.

## SECTION 15: Regulatory Information

### Canadian Regulations

- **Food and Drug Regulations:** This product is regulated under the Canadian Food and Drug Regulations as a disinfectant. It is **not subject to WHMIS classification**.
- **DIN:** Product carries a Drug Identification Number (DIN) as required for disinfectants in Canada.
- **CEPA / DSL:** All ingredients are listed on the Canadian Domestic Substances List (DSL).

### United States Regulations

- **EPA:** Registered under FIFRA as a disinfectant / antimicrobial pesticide, if sold in the USA.
- **OSHA:** This SDS is prepared in accordance with 29 CFR 1910.1200 (HazCom 2012 / GHS) for workplace safety purposes.
- **TSCA:** All ingredients are listed on the TSCA inventory or exempt.
- **SARA 311/312:** Immediate (acute) health hazard.
- **SARA 313:** This product does not contain chemicals subject to reporting under Section 313.

### International Inventories

Components are listed on major international inventories (DSL, TSCA, EINECS/ELINCS).

## SECTION 16: Other Information

| | |
|---|---|
| **Revision Date** | 2026-05-25 |
| **Version** | 2.0 |
| **Prepared By** | ERE Inc. – Regulatory Affairs |

### Abbreviations

GHS = Globally Harmonized System; WHMIS = Workplace Hazardous Materials Information System; NFPA = National Fire Protection Association; CAS = Chemical Abstracts Service; CEPA = Canadian Environmental Protection Act; DSL = Domestic Substances List; TSCA = Toxic Substances Control Act; SARA = Superfund Amendments and Reauthorization Act; FIFRA = Federal Insecticide, Fungicide, and Rodenticide Act; DIN = Drug Identification Number; RTU = Ready to Use.

### Disclaimer

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 is intended as a guide for safe handling, use, processing, storage, transportation, disposal, and release. It is not 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.