



Safety Data Sheet

RTU Durable Antimicrobial Hand Sanitizer # 1161-2121198114-420

1. Identification of Substance & Supplier

Product Name: Durable Antimicrobial Hand Sanitizer
1161-2121198114-420

Recommended Uses: Hand sanitizer

Company Identification:

Emergency Telephone Number:

2. Hazards identification

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO), Approval number **HSR002530**, Cleaning Products (Subsidiary Hazard) Group Standard 2006 and is classified as follows:

HSNO Classification	HSNO Hazard Statement
6.4A	Substances that are irritating to the eye.
9.1D	Substances that are slightly harmful to the aquatic environment or are otherwise designed for biocidal action.

Precautionary Do not get in eyes.

Potential health effects:

Eyes: Direct contact will cause mild but temporary eye injury.

Skin: May cause slight irritation in some people.

Ingestion: May be harmful if swallowed in large quantities.

Inhalation: May be harmful if inhaled for long periods.

Carcinogens: No

Medical conditions generally aggravated by exposure: Not known

The above listed potential effects of overexposure are based on actual data, results of studies performed upon similar compositions, component data, and/or expert review of the product

3. Composition/information on ingredients

Component	CAS Number	% Weight
Assorted proprietary ammonium calcium silicate		0.2%
Benzalkonium chloride	8001-54-5	0.1%

Deionised water	7732-18-5	99.7%
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The above information is not intended for use in preparing product specifications.

4. First aid measures

Primary routes of exposure:

Eyes: Hold eye open and flush with a steady, gentle stream of water for 15-20 minutes. If present remove contact lenses after the first 5 minutes, then continue rinsing. Call a poisons control center or doctor for treatment advice.

Ingestion: Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poisons control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Move person to fresh air. If not breathing, give artificial respiration. Seek medical attention.

Recommended first aid facilities: Ready access to running water.

5. Fire-Fighting measures

Fire and explosion hazards:	None
Flashpoint:	N/A
Hazards decomposition products:	N/A
Suitable extinguishing media:	N/A
Special firefighting procedures:	No special precautions required
HAZCHEM code:	N/A

6. Accidental release measures

Spills or Leaks: Wear proper eye protection.
This material will be slippery if spilled.
Soak up with an inert material such as sawdust or absorbent.
For small spills, hose away with water.
For large spills, transfer to suitable container for disposal.

7. Handling and storage

Handling: No approved handlers required.
Precautions: Avoid contact with eyes. Wear proper eye protection.
Storage: Keep in a closed container when not in use.
Store away from heat and direct sunlight.
Recommended storage temperature is between 10°C and 40°C.

Section 7 notes: No special precautions. Avoid freezing contents.

8. Exposure controls/personal protection

Workplace Exposure Standards

A workplace exposure standard (WES) has not been established for this substance.

Engineering controls: Ready access to running water and or eyewash stations
General ventilation

Personal Protective Equipment: Eye protection and gloves are recommended for bulk transfer and handling.

9. Physical and chemical properties

Physical state: Liquid at 25°C
Appearance/colour: Clear
Odour: Odourless (unless fragranced)
Specific gravity (@68°F/20°C): 1.0 g/ml
Solubility in water: Complete
pH: 5-8
Freezing point: < 0°C
Boiling point: 100°C
Melting point: N/A
Vapour pressure: Not available
Viscosity (@ 68°F/20°C): ~ 1mPas
Volatile content: N/A

Section 9 notes: None

10. Stability and reactivity

Stability: Under normal conditions this material is stable.
Hazardous polymerization: Hazardous polymerization will not occur.
Conditions to avoid: Temperatures > 50°C; Freezing
Incompatible materials to avoid: Acids, alkalis, strong oxidizing agents, anionic surfactants.

Hazardous decomposition products: None

Section 10 notes: None

11. Toxicological information

Acute oral toxicity: LD₅₀ Rat (oral) > 5000 mg/kg.
Acute dermal toxicity: LD₅₀ Rabbit (dermal) > 5000 mg/kg.
Inhalation toxicity: N/A.
Acute eye irritation test: Mild reversible eye irritant.
Acute dermal sensitivity: Not a dermal sensitiser.
CMR toxicants: Negative for CMR.

Section 11 notes: The US EPA has stated in their Reregistration Eligibility Decision (RED) for Alkyl Dimethyl Benzyl Ammonium Chlorides (ADBAC) that there are no concerns for carcinogenicity or mutagenicity.

12. Ecological information

Aquatic toxicity: Slightly harmful to the aquatic environment
Soil toxicity (active): No data available.
Terrestrial vertebrate toxicity: Non toxic
Terrestrial invertebrate toxicity: No data available

HSNO classification: 9.1D

Ecotoxicological effects:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with requirements of the local government authority and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority.

Section 12 notes: None

13. Disposal considerations

Restrictions: There are no product specific restrictions.
Waste Disposal Method: Waste resulting from the use of this product may be disposed of on site. If this waste cannot be disposed of by use according to the label instructions, contact your local Environmental Control Agency for guidance.
Container (plastic) disposal: Rinse (or equivalent), then offer for recycling or reconditioning, puncture and dispose of in a sanitary landfill, incineration, or by burning (if allowed by the state and local authorities). If burned, stay out of smoke.

Section 13 notes: Inactivation of solutions containing Durable Antimicrobial Hand Sanitizer # 1161-2121198114-420 may be accomplished by addition of an anionic surfactant or detergent in quantity equivalent to that of Durable Antimicrobial Hand Sanitizer # 1161-2121198114-420 solution.

14. Transport information

IATA Proper Shipping Name: Non-flammable liquid.
IATA UN Number: Not specified.
Hazard Class: Not regulated.
NFPA/HMIS classification: Flammability 0, Reactivity 0, Health 1

Section 14 notes: None

15. Regulatory information

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). The active components are listed on the Inventory of Chemicals (NZIoC).

Group standard: Cleaning Products (Subsidiary Hazard) Group Standard 2006
HSNO approval number: HSR002530

US Federal Regulations

TSCA (Toxic Substances Control Act) Status: All components of this product are listed on the TSCA inventory of chemical substances.

Section 15 notes: None

16. Other information

Disclaimer: This information is offered in good faith as typical values and not as a product specification. No warranty, expressed or implied is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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