



HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
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SAFETY DATA SHEET

8 HOUR DEFENSE HAND SANITIZER - READY TO USE

SECTION 1: IDENTIFICATION OF SUBSTANCE & SUPPLIER

Product Name:	8 HOUR DEFENSE HAND SANITIZER
Recommended Uses:	Hand Sanitizer
Company Identification:	Strategia 1000 Jorie Blvd. Suite 370 Oak Brook IL 60523
Emergency Telephone Number:	866-377-8728

SECTION 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	Hazard
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 may cause mild but temporary eye irritation
Skin	May cause slight irritation in some people
Ingestion	May be harmful if swallowed in large quantities
Inhalation	Harmful if inhaled for long periods
Carcinogen	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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	% Weight
Colloidal Silicon Dioxide	7631-86-9	0.2%
Benzalkonium chloride	8001-54-5	0.13%
Deionized Water	7732-18-5	Balance

The above information is not intended for use in preparing product specifications.

SECTION 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 poison control center or doctor for treatment advice if discomfort continues.
Ingestion	Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison 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.

SECTION 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

Section 5 NOTES: General Hazard: This product is not combustible.

SECTION 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.

SECTION 7: HANDLING & 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 temperature is between 10°C and 40°C

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

SECTION 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. In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.
Personal Protective Equipment:	Eye protection and gloves are recommended for bulk transfer and handling. Respirator: In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid at 25°C
Appearance / Color	Clear
Odor	Odorless (unless fragranced)
Specific gravity (at 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
Vapor Pressure	Not Available
Viscosity (at 68°F/20°C)	~1mPas
Volatile Content	N/A

Section 9 Notes: NONE

SECTION 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

SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral toxicity	LD ₅₀ Rat (oral) > 5000 mg/kg
Acute dermal toxicity	LD ₅₀ Rabbit (dermal) > 5000 mg/kg
Inhalation toxicity	N/A
Acute eye irritation test	Mild reversible eye irritant
Acute dermal sensitivity	Not a dermal sensitizer
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.

SECTION 12: ECOLOGICAL INFORMATION

Acute toxicity	Slightly harmful to the aquatic environment
Soil toxicity	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

SECTION 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 Hand Sanitizer Concentrate may be accomplished by addition of an anionic surfactant or detergent in quantity equivalent to that of Hand Sanitizer Concentrate solution.

Section 13 Notes: Inactivation of solutions containing Concentrated Hand Sanitizer may be accomplished by addition of an anionic surfactant or detergent in quantity equivalent to that of Concentrated Hand Sanitizer solution.

SECTION 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

SECTION 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)	All components of this product are listed on the TSCA inventory of chemical substances

Section 15 notes: NONE

SECTION 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 on the intended use and determine whether they are appropriate.

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