

## 1. Product and Company Identification

<b>Product name</b>	<b>Hands Fresh® Alcohol-Free Foam Sanitizer - 03570</b>
<b>CAS #</b>	Mixture
<b>Product use</b>	Antiseptic cleaner
<b>Manufacturer information</b>	NWL Netherlands Services BV Newell Rubbermaid Amperestraat 12 2181HB Hillegom, Netherlands Phone + 31 (0) 252 623 294
<b>Supplier</b>	Kruger Products L.P. 200-1900 Minnesota Court Mississauga, Ontario L5N 5R5 Canada Emergency Phone: 1-800-328-0026 Fax: 905-812-6910 Phone: 905-812-6900

## 2. Hazards Identification

<b>Emergency overview</b>	WARNINGS: FOR EXTERNAL USE ONLY. WHEN USING THIS PRODUCT AVOID CONTACT WITH EYES.  KEEP OUT OF REACH OF CHILDREN.
<b>Potential short term health effects</b>	
<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
<b>Eyes</b>	May cause irritation.
<b>Skin</b>	May cause irritation.
<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Target organs</b>	Eyes.
<b>Chronic effects</b>	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
<b>Signs and symptoms</b>	Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
<b>OSHA regulatory status</b>	This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>Potential environmental effects</b>	See section 12.

## 3. Composition/Information on Ingredients

<b>Components</b>	<b>CAS #</b>	<b>Percent</b>
Benzalkonium Chloride	8001-54-5	0 - 0.1
<b>Composition comments</b>	Not applicable to DIN products. Refer to product label for active ingredient content. Active ingredients are listed above.	

## 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	In case of eye contact, flush with water. Stop use and ask a doctor, if irritation or redness persist or if condition persist.
<b>Skin contact</b>	Flush with water. In case of skin irritation, discontinue use of product.
<b>Inhalation</b>	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
<b>Ingestion</b>	Do not ingest. If swallowed, DO NOT induce vomiting. Get medical attention.
<b>Notes to physician</b>	Symptoms may be delayed.

**General advice** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Keep out of reach of children.

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## 5. Fire Fighting Measures

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**Flammable properties** Not flammable by WHMIS/OSHA criteria.

**Extinguishing media**

**Suitable extinguishing media** Dry chemical. Carbon dioxide.

**Unsuitable extinguishing media** Not available

**Protection of firefighters**

**Specific hazards arising from the chemical** Not available

**Protective equipment and precautions for firefighters** Firefighters should wear full protective clothing including self contained breathing apparatus.

**Hazardous combustion products** May include and are not limited to: Oxides of carbon. Oxides of nitrogen. Hydrogen chloride.

**Explosion data**

**Sensitivity to mechanical impact** Not available.

**Sensitivity to static discharge** Not available.

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## 6. Accidental Release Measures

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**Personal precautions** Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

**Environmental precautions** Do not discharge into lakes, streams, ponds or public waters.

**Methods for containment** Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

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## 7. Handling and Storage

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**Handling** Use according to package label instructions.  
For external use only.  
DO NOT get in eyes.  
Do not ingest.  
Use good industrial hygiene practices in handling this material.

**Storage** Keep out of reach of children. Store in a cool, dry, well-ventilated place away from incompatible materials.

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## 8. Exposure Controls/Personal Protection

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**Exposure limits** Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.

**Engineering controls** General ventilation normally adequate.

**Personal protective equipment**

**Eye / face protection** Not normally required when used as directed.

**Hand protection** Not applicable. In case of skin irritation, discontinue use of product.

**Skin and body protection** As required by employer code.

**Respiratory protection** Not normally required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Liquid
<b>Color</b>	Opaque
<b>Form</b>	aqueous solution
<b>Odor</b>	Fragrant
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Liquid.
<b>pH</b>	5 - 7 (25°C)
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Pour point</b>	Not available.
<b>Evaporation rate</b>	Not available
<b>Flash point</b>	Not available
<b>Auto-ignition temperature</b>	Not available
<b>Flammability limits in air, upper, % by volume</b>	Not available
<b>Flammability limits in air, lower, % by volume</b>	Not available
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	0.98 - 1.02 (Water = 1)
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Solubility (water)</b>	Not available
<b>Relative density</b>	Not available.
<b>Viscosity</b>	Thin
<b>VOC</b>	Not available
<b>Percent volatile</b>	Not available

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## 10. Stability and Reactivity

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<b>Reactivity</b>	This product may react with acids. This product may react with oxidizing agents.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Caustics. Acids. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Hydrogen chloride. Oxides of carbon. Oxides of nitrogen.

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## 11. Toxicological Information

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### Toxicological data

<b>Components</b>	<b>Species</b>	<b>Test Results</b>
Benzalkonium Chloride (CAS 8001-54-5)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	1420 mg/kg
<i>Oral</i>		
LD50	Mouse	150 mg/kg
	Rat	240 mg/kg
<b>LC50</b>		
Not available.		

<b>Effects of acute exposure</b>	
<b>Eye contact</b>	May cause irritation.
<b>Skin contact</b>	May cause irritation.
<b>Inhalation</b>	May cause respiratory tract irritation.
<b>Ingestion</b>	May cause stomach distress, nausea or vomiting.
<b>Sensitization</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Name of Toxicologically Synergistic Products</b>	Not available.

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## 12. Ecological Information

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**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

**Ecotoxicological data**

Components	Species	Test Results
Benzalkonium Chloride (CAS 8001-54-5)		
<b>Aquatic</b>		
Fish	LC50 Rainbow trout, donaldson trout (Oncorhynchus mykiss)	0.8 - 1.6 mg/l, 96 hours

**Persistence and degradability** Not available.

**Bioaccumulation / Accumulation** Not available

**Mobility in environmental media** Not available.

**Environmental effects** Not available.

**Aquatic toxicity** Not available.

**Chemical fate information** Not available.

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## 13. Disposal Considerations

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**Disposal instructions** Dispose in accordance with all applicable regulations.

**Waste from residues / unused products** Not available

**Contaminated packaging** Not available

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## 14. Transport Information

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**U.S. Department of Transportation (DOT)**

Not regulated as dangerous goods.

**Transportation of Dangerous Goods (TDG - Canada)**

Not regulated as dangerous goods.

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## 15. Regulatory Information

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**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**WHMIS classification** Exempt - Registered product - (DIN 02320258)

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** No

**US federal regulations** This product is NOT known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**State regulations**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Not listed.

**US. Massachusetts RTK - Substance List**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Not regulated.

**US. Rhode Island RTK**

Not regulated.

**Inventory status**

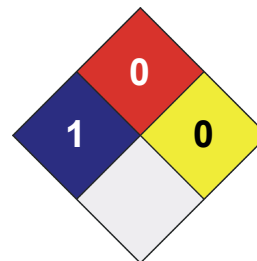
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other Information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>HEALTH</b>	/ 1
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	X



**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Prepared by**

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**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.