

1. Product and Company Identification

Product name HandsFresh® Anti-Bacterial Spray Soap - 03473
CAS # Mixture
Product use Topical antiseptic hand cleaner
Manufacturer information NWL Netherlands Services BV
 Newell Rubbermaid
 Amperestraat 12
 2181HB Hillegom, Netherlands
 Phone + 31 (0) 252 623 294
Supplier 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

Emergency overview For external use only. MAY IRRITATE EYES. KEEP OUT OF REACH OF CHILDREN.
Potential short term health effects
Routes of exposure Eye, Skin contact, Inhalation, Ingestion.
Eyes May cause irritation.
Skin May cause irritation.
Inhalation May cause respiratory tract irritation.
Ingestion May cause stomach distress, nausea or vomiting.
Target organs Eyes.
Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
OSHA regulatory status This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Potential environmental effects See section 12.

3. Composition/Information on Ingredients

Components	CAS #	Percent
Triclosan	3380-34-5	0.1 - 1

Composition comments Active ingredients are listed above.

4. First Aid Measures

First aid procedures
Eye contact Contact with the eyes should be avoided and should this occur, the eyes should be flushed with water.
Skin contact If irritation develops or increases, use of the product should be discontinued. If irritation persists for more than five days, consult a doctor.
Inhalation If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention.
Notes to physician 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.

5. Fire Fighting Measures

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 sulfur. Hydrogen chloride.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

6. Accidental Release Measures

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, sewer, 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.

7. Handling and Storage

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	Store in a cool, dry, well-ventilated place away from incompatible materials. Store in a cool, dry, well-ventilated place away from incompatible materials.

8. Exposure Controls/Personal Protection

Exposure limits	There are no established ACGIH or OSHA PEL exposure limits for the hazardous chemicals listed in section 3 of the MSDS.
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.

9. Physical and Chemical Properties

Appearance	Clear
Color	Colorless

Form	aqueous solution
Odor	Mild
Odor threshold	Not available.
Physical state	Liquid.
pH	6 - 7
Freezing point	Not available.
Boiling point	> 212 °F (> 100 °C)
Pour point	Not available.
Evaporation rate	Not available
Flash point	None
Auto-ignition temperature	Not applicable
Flammability limits in air, upper, % by volume	Not applicable
Flammability limits in air, lower, % by volume	Not applicable
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	1.025 - 1.035 (Water = 1)
Partition coefficient (n-octanol/water)	Not available.
Solubility (water)	Complete
Relative density	Not available.
Viscosity	Not available.
VOC	Not available
Percent volatile	Not available

10. Stability and Reactivity

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

11. Toxicological Information

Toxicological data		
Components	Species	Test Results
Triclosan (CAS 3380-34-5)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	9300 mg/kg
	Rat	9300 mg/kg
<i>Inhalation</i>		
LC50	Rat	> 140 mg/m3, 4 Hours
<i>Oral</i>		
LD50	Mouse	4530 mg/kg
	Rat	3700 mg/kg
Effects of acute exposure		
Eye contact	May cause irritation.	
Skin contact	May cause irritation.	

Inhalation	May cause respiratory tract irritation.
Ingestion	May cause stomach distress, nausea or vomiting.
Sensitization	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Name of Toxicologically Synergistic Products	Not available.

12. Ecological Information

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

Triclosan - Bluegill, Lepomis macrochirus, 96 hour, LC50 370.0 ug/L
Triclosan - Rainbow trout, donaldson trout, Oncorhynchus mykiss, 96 hour, LC50 288 ug/L
Triclosan - Medaka, high-eyes, Oryzias latipes, 96 hour, LC50 451 ug/L
Triclosan - Fathead minnow, Pimephales promelas, 96 hour, LC50 342.5 ug/L
Triclosan - Water flea, Daphnia magna, 48 hour, EC50 0.39 mg/L

Ecotoxicological data

Components	Species	Test Results
Triclosan (CAS 3380-34-5)		
Aquatic		
Fish	LC50 Fathead minnow (Pimephales promelas)	0.3 - 0.5 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.

Partition coefficient
Triclosan 4.76

Chemical fate information Not available.

13. Disposal Considerations

Disposal instructions Dispose in accordance with all applicable regulations.

Waste from residues / unused products Not available

Contaminated packaging Not available

14. Transport Information

U.S. Department of Transportation (DOT)

Not regulated as dangerous goods.

Transportation of Dangerous Goods (TDG - Canada)

Not regulated as dangerous goods.

15. Regulatory Information

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 02219433)

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

US federal regulations

This product is 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

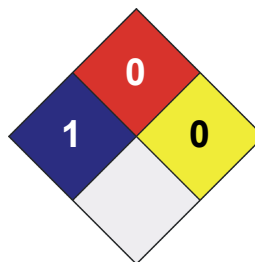
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*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

HEALTH	/ 1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	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

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

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.