

SAFETY DATA SHEET

DeLaval Hand Sanitizer

Preparation Date: 20-May-2020
Date of Next Revision: 19-May-2025

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name	DeLaval Hand Sanitizer
Item#:	NZ0029
Recommended use	Disinfectant
Uses advised against	Restricted to professional users
Supplier	DeLaval Manufacturing PO Box 15-205 Kells Place Hamilton New Zealand
Telephone Number	+64 7 847 9904 (8am - 4:30pm Mon-Fri)
Emergency Telephone Number	0800 764 766 (National Poison Centre) 0800 243 622 CHEMCALL

2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture according to GHS

Acute toxicity - Oral - Category 5
Skin corrosion/irritation - Category 3
Serious eye damage/eye irritation - Category 2
Flammable liquids - Category 2

HSNO Classifications

- 6.1E Substances that have relatively low acute toxicity
- 6.3B Substances that are irritating to the skin
- 6.4A Substances that are irritating to the eye
- 3.1B Flammable liquid high hazard

2.2. Label Elements

Hazard Pictogram(s)



Signal word DANGER

Hazard Statements

- H303 - May be harmful if swallowed
- H316 - Causes mild skin irritation
- H319 - Causes serious eye irritation
- H225 - Highly flammable liquid and vapor

Precautionary statements P101 - If medical advice is needed, have product container or label at hand

P102 - Keep out of reach of children
 P103 - Read label before use
 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
 No smoking
 P233 - Keep container tightly closed
 P240 - Ground and bond container and receiving equipment
 P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment
 P242 - Use only non-sparking tools
 P243 - Take precautionary measures against static discharge
 P264 - Wash hands and face thoroughly after handling
 P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P312 - Call a POISON CENTER/doctor if you feel unwell
 P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.
 Rinse skin with water or shower.
 P332 + P313 - If skin irritation occurs: Get medical advice/attention
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing
 P337 + P313 - If eye irritation persists: Get medical advice/attention
 P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish
 P403 + P235 - Store in a well-ventilated place. Keep cool
 P501 - Dispose of contents/container in accordance with local regulations

Contains Isopropanol

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Isopropyl alcohol	67-63-0	> 60%
Hydrogen peroxide	7722-84-1	0 - 1%

4. FIRST AID MEASURES

Workplace Facilities Eyewash bottle with clean water

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
 Immediate medical attention is required
 Keep eye wide open while rinsing

Skin contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Inhalation Move to fresh air
 If not breathing, give artificial respiration
 If breathing is difficult, give oxygen
 Call a physician or Poison Control Center immediately

Ingestion Immediate medical attention is required. Remove from exposure, lie down. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

Notes to Physician Treat symptomatically.

Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Hazchem Code No Hazchem Code allocated

Flammable Properties No information available.

Suitable Extinguishing Media Water fog. Carbon dioxide (CO₂). Extinguishing powder. alcohol-resistant foam.

Unsuitable Extinguishing Media No information available.

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating gases and vapours. In the event of fire and/or explosion do not breathe fumes. Carbon monoxide. Carbon dioxide (CO₂).

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Avoid dispersal of spilt material into waterways, drains, and sewers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Keep away from sources of ignition - No smoking. Material can create slippery conditions.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling Store in a tightly closed container. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat, sparks and open flame. - No smoking. Take precautionary measures against static discharges.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep away from direct sunlight. Do not store near acids. Incompatible with strong bases and oxidizing agents.

Type of Container/Package Store in original container

Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical name

OSH (New Zealand, 1/2002)

Isopropyl alcohol	TWA: 400 ppm TWA: 983 mg/m ³ STEL: 500 ppm STEL: 1230 mg/m ³
Hydrogen peroxide	TWA: 1 ppm TWA: 1.4 mg/m ³

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection Tightly fitting safety goggles. Face-shield.

Skin Protection Long sleeved clothing, Chemical resistant apron, Boots

Hand Protection Not applicable

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. In case of insufficient ventilation wear suitable respiratory equipment.

General Hygiene Considerations

Keep away from food, drink and animal feedingstuffs. When using, do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	transparent
Physical state	Liquid
Odor	Alcohol
pH	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Flash Point	No data available
Autoignition Temperature	No data available
Upper flammability limit:	No data available
Lower flammability limit:	No data available
Boiling Point/Range	No data available
Freezing Point/Range	No data available
Water Solubility	soluble
Solubility	No information available
Solubility in other solvents	No data available
Specific Gravity	No data available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Heat, flames and sparks. Exposure to air or moisture over prolonged periods. Burning produces obnoxious and toxic fumes. Heating can release hazardous gases. To avoid thermal decomposition, do not overheat.
Incompatible Materials	Incompatible with strong acids and bases, Incompatible with oxidizing agents
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapours. Carbon monoxide. Carbon dioxide (CO ₂).

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	
Inhalation	No information available.
Eye contact	No information available.
Skin contact	No information available.
Ingestion	May be harmful if swallowed.

Component Information

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropyl alcohol	= 1870 mg/kg (Rat)	= 4059 mg/kg (Rabbit)	72.6 mg/L (Rat) 4 h
Hydrogen peroxide	= 1518 mg/kg (Rat)	= 9200 mg/kg (Rabbit)	= 2000 mg/m ³ (Rat) 4 h

Irritation	Causes serious eye irritation May cause mild skin irritation
Corrosivity	No information available.
Sensitization	No information available.
Mutagenic effects	No information available.
Carcinogenicity	There are no known carcinogenic chemicals in this product.

Chemical name	IARC
Isopropyl alcohol	Group 3
Hydrogen peroxide	Group 3

Reproductive Effects	No information available.
Developmental Effects	No information available.
STOT - single exposure	No information available
STOT - repeated exposure	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Ecotoxicity effects No information available

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Isopropyl alcohol	1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50	9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50	EC50 = 35390 mg/L 5 min	13299: 48 h <i>Daphnia magna</i> mg/L EC50
Hydrogen peroxide	2.5: 72 h <i>Chlorella vulgaris</i> mg/L EC50	10.0 - 32.0: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 16.4: 96 h <i>Pimephales promelas</i> mg/L LC50 18 - 56: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static		18 - 32: 48 h <i>Daphnia magna</i> mg/L EC50 Static 7.7: 24 h <i>Daphnia magna</i> mg/L EC50

Persistence and degradability No information available

Bioaccumulation/Accumulation No information available.

Mobility No information available

Biodegradation Some ingredients of this material have some potential to biodegrade, but most ingredients have a limited potential to biodegrade or have not been tested.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Should not be released into the environment. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations. Dispose of in accordance with local regulations.

Contaminated Packaging Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

UN-No 1219

Proper Shipping Name Flammable liquid, n.o.s (Isopropanol)

Hazard Class 3

Packing Group II

Special Provisions Excepted quantities : E2
 Tunnelcode : D/E
 Kemler No. : 33

Environmental hazard None

Hazchem Code No Hazchem Code allocated

15. REGULATORY INFORMATION

HSNO Classifications	6.1E Substances that have relatively low acute toxicity 6.3B Substances that are irritating to the skin 6.4A Substances that are irritating to the eye 3.1B Flammable liquid high hazard
ERMA Reference	ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001

16. OTHER INFORMATION

Prepared By	DeLaval NV Industriepark-Drongen 10 9031 Gent Belgium
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References	Land Transport (Dangerous Goods) Rule 45001:2005 Hazardous Substances Regulations 2001: - Minimum Degrees of Hazard - Classification - Classes 1 to 5 Controls - Classes 6, 8 and 9 Controls - Packaging Regulations - Identification Regulations - Disposal Regulations - Emergency Management - Identification Regulations - Disposal Regulations Health and Safety in Employment Regulations 1995 User Guide to the HSNO Thresholds and Classifications OSH Workplace Exposure Standards January 2002 NZCIC Approved Code of Practice - Preparation of Safety Data Sheets Signage for premises storing hazardous substances and dangerous goods

Disclaimer

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End of SDS