



SAFETY DATA SHEET

Issuing Date -0D\2020

Revision Date -0D\2020

Revision Number

1. Identification

Product identifier

Product Name DetraPel Hand Sanitizer

Product Description non-toxic, alcohol-free, non-flammable formulation designed kill 99.9% of common germs in as little as 15 seconds all while leaving skin smooth and moisturized.

Other means of identification

NDC Number: 74961-2300-2
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Hand Sanitizer

Restrictions on use This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use.

Details of the supplier of the safety data sheet

Supplier Address

DetraPel Inc.
92 Blandin Ave
Framingham, MA 01702
617-514-7777

E-mail info@detrapel.com

Emergency telephone number

Emergency Telephone 617-514-7777

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Gases under pressure	Compressed gas
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Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Warning

Hazard statements

Contains gas under pressure; may explode if heated.



Precautionary Statements - Storage

Protect from sunlight. Store in a well-ventilated place

Other information

None Known

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

Synonyms None

Chemical name	CAS No	Weight-%	Trade secret
Benzalkonium chloride	63449-41-2	<1.0	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applied, are classified as hazardous to health or the environment and therefore require reporting in this section.

4. First-aid measures

Description of first aid measures

Inhalation	Move person to fresh air. Get medical attention if irritation persists.
Eye contact	Rinse with water. Get medical attention if irritation persists. Direct contact with eyes may cause temporary irritation.
Skin contact	If irritation develops, wash off with water. Get medical attention if irritation persists.
Ingestion	Rinse mouth. Get medication attention if irritation persists.

Most important symptoms and effects, both acute and delayed

Symptoms May cause eye irritation upon direct contact with eyes

Indication of any immediate medical attention and special treatment needed

Note to physicians Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable Extinguishing Media	This material will not support combustion. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media	No information available.
Specific hazards arising from the chemical	Wait until leaking of 'air' from bottles has stopped to extinguish. During fire, gases hazardous to health may be formed.
Explosion data	
Sensitivity to mechanical impact	Yes.
Sensitivity to static discharge	None.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Contents under pressure. Keep unnecessary personnel away. Keep out of low areas. Wear appropriate protective equipment and clothing during cleanup.
 Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.

Methods and material for containment and cleaning up

Methods for containment This product is miscible in water.

Methods for cleaning up

- Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
- Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Contents under pressure. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Keep from freezing. Do not contaminate water, food, or feed by storage disposal. Spilled material is slippery.

Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Control parameters

Exposure Limits No exposure limits noted for ingredient(s).

Biological Limit Value No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear approved safety glasses or goggles with unperforated sideshields or faceshield when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

Hand protection Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin and body protection Wear long sleeves and long pants when handling chemical products if a risk assessment indicates this is necessary.

Respiratory protection None Known.

General hygiene considerations An emergency eyewash station or source of clean potable water should be available in case of accidental eye contact.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Air powered piston-based continuous spray

Physical state	Aerosol
Color	Water-Clear
Odor	None to no odor
Odor threshold	No data available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	10.75	
Melting point / freezing point	0 °C / 32 °F	
Boiling point / boiling range	212 °F	None known
Flash point	No data available	None known
Evaporation rate	0.4	Butyl Acetate = 1
Flammability (solid, gas)	Not applicable	
Flammability Limit in Air		None known
Upper flammability or explosive limits	Not applicable	
Lower flammability or explosive limits	Not applicable	
Vapor pressure	22.3 mm Hg	None known
Vapor density	0.02 lb/ft ³	None known
Relative density	1.00 g/cm ³	None known
Water solubility	Completely miscible	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	Not applicable	
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	Water-like	

Other information

Explosive properties	No information available.
Oxidizing properties	No information available.
Softening point	No information available
Molecular weight	No information available
VOC Content (%)	0%
Liquid Density	No information available
Bulk density	No information available

10. Stability and reactivity

Reactivity	None under normal use conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Excessive heat.
Incompatible materials	None expected.
Hazardous decomposition products	None known based on information supplied.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available. (based on components). Causes mild skin irritation.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Prolonged contact may cause redness and irritation.

Acute toxicity

Numerical measures of toxicity

IARC / NTP / OSHA: This product contains no ingredients listed as a carcinogen in quantities greater than or equal to 0.1%.

Component Information

Chemical name	CAS Number	Oral LD50	Inhalation LC50
Ammonium Compound	68391-01-5	250 mg/kg (rat oral)	3400 mg/kg (rabbit)
Ammonium Compound	68956-79-6	3400 mg/kg (rabbit oral)	86 mg/l/1 hr (rat)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard None of the ingredients are known to be an aspiration hazard.

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity The environmental impact of this product has not been fully investigated.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Quaternary Ammonium Compounds 68391-01-5 or 68956-79-6	-	-	-	-

Persistence and degradability	No information available.
Bioaccumulation	There is no data for this product.
Other adverse effects	No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide spray or mixture or resale is a violation of Federal law. Triple rinse containers, puncture and dispose of in a sanitary landfill or offer to a re-conditioner for recycling. Incinerate or burn if allowed by State and Local authorities. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not attempt to reuse empty containers.

14. Transport information

Note: This product is covered by DOT Special Permit # SP-20673. Manufacture, shipping and reshipping must follow the terms in that document. Marking and Shipping Paper requirements may be added by that document. A copy of that document may need to accompany the shipment and/or be retained by the manufacturer, shipper or re-shipper. Shipping container must contain "contents under pressure" label.

DOT

UN/ID no	UN1950
Proper shipping name	AEROSOLS
Hazard class	2.2
DOT Marine Pollutant	NP
Description	UN1950, AEROSOLS, 2.2
Emergency Response Guide Number	126

IATA

UN number	UN1950
UN proper shipping name	Aerosols, non-flammable
Transport hazard class(es)	2.2
ERG Code	2L
Special Provisions	A145, A167, A98, A802
Description	UN1950, Aerosols, non-flammable, 2.2

IMDG

UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.2
EmS-No	F-D, S-U
Marine pollutant	NP
Special Provisions	63,190, 277, 327, 344, 381, 959
Description	UN1950, AEROSOLS, 2.2

15. Regulatory information

International Inventories

TSCA All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

Raw materials used in this product have identified the opportunity for the presence of very low levels of the following California Proposition 65 chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: Ethylene Oxide (75 - 21 - 8), 1,4 - Dioxane (123 - 91 - 1), Acetaldehyde (75 - 07 - 0), Formaldehyde (50 - 00 - 0). We have tested a representative sample of this product for the presence of these chemicals and have found none to be present at above analytical detection limits.

U.S. State Right-to-Know Regulations

This product contains no toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right - To - Know Act of 1986 (40CFR372).

U.S. EPA Label Information

EPA Pesticide Registration Number 61178-1

16. Other information

<u>NFPA</u>	Health hazards 1	Flammability 0	Instability 0	Physical and chemical properties -
<u>HMIS</u>	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection X

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA Ceiling	TWA (time-weighted average) Maximum limit value	STEL *	STEL (Short Term Exposure Limit) Skin designation
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Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Issuing Date 30-Mar-2020

Revision Date 30-Mar-2020

Revision Note Initial Release.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet