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SECTION 1. IDENTIFICATION**Product identifier used on the label**

: HandKleen, CLEAN + SAFE

Other means of identification: RR1460, RR15112, CT818**Recommended use of the chemical and restrictions on use**: Hand Wipe
Restriction on use: None known**Chemical family**

: Mixture

Name, address, and telephone number of the supplier:**Advantus Corporation**12276 San Jose Blvd., Suite 618
Jacksonville, FL, USA
32223**Name, address, and telephone number of the manufacturer:**

Refer to supplier

Supplier's Telephone # : (904) 482 0091

24 Hr. Emergency Tel # : Chemtrec 1-800-424-9300 (Within Continental U.S.); Chemtrec 703-527-3887
(Outside U.S.).**SECTION 2. HAZARDS IDENTIFICATION****Classification of the chemical**

Pre-moistened towelette (clear liquid saturated on wipe).

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:
Not Classified

Hazard classification: None

Label elements*Hazard pictogram(s): None**Signal Word: None**Hazard statement(s): None***Other hazards**

None

Precautionary statement(s): None

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Solution

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Ethyl alcohol	Ethyl alcohol Ethyl hydrate	64-17-5	20.0-30.0
Benzethonium Chloride (USP)	Benzethonium Chloride (USP)	121-54-0	0.1 - 1.0
PPG-12-PEG-50	Lanolin	68458-88-8	0.1 - 1.0
Potassium Sorbate	Potassium Sorbate	24634-61-5	0.1 - 1.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES**Description of first aid measures**

- Ingestion* : None required when used as intended. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Inhalation* : If inhaled, move to fresh air. If breathing is difficult, give oxygen by qualified medical personnel only. If breathing has stopped, give artificial respiration. Get medical attention if symptoms persist.
- Skin irritation* : Wash off with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use.
- Eye contact* : Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.

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SECTION 5. FIRE-FIGHTING MEASURES**Extinguishing media***Suitable extinguishing media*

: Use water fog or fine spray, foams, carbon dioxide or dry chemical. Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

:None

Flammability classification (OSHA 29 CFR 1910.106)

: None

Hazardous combustion products

: Carbon oxides, nitrogen compounds

Special protective equipment and precautions for firefighters*Protective equipment for fire-fighters*

: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter's normal protective clothing (Bunker Gear) will not provide adequate protection. A full-body encapsulating chemical protective suit with positive pressure self-contained breathing apparatus (NIOSH approved or equivalent) may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Individuals involved in the cleanup must wear appropriate personal protective equipment. For personal protection see section 8.

Environmental precautions : Do not allow material to contaminate ground water system.**Methods and material for containment and cleaning up**

: Small Spills: Wipe up with absorbent material (e.g. cloth, fleece).

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8802).

US CERCLA Reportable quantity (RQ): None.

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SECTION 7. HANDLING AND STORAGE

- Precautions for safe handling** : Use only in well-ventilated areas. Wear suitable protective equipment during handling. Do not ingest or swallow. Avoid breathing mist or vapor. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Use only non-sparking tools with this material. Avoid contact with incompatible materials.
- Keep containers tightly closed when not in use.
- Conditions for safe storage** : Store in a cool, dry, well-ventilated area. No smoking in the area.
- Incompatible materials** : Oxidizing agents; Strong acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Ethyl alcohol	N/Av	1000 ppm	1000 ppm (1900 mg/m ³)	N/Av
PPG-12-PEG-50	N/Av	N/Av	N/Av	N/Av
Potassium Sorbate	N/Av	N/Av	N/Av	N/Av
Benzethonium Chloride	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

- : Ensure adequate ventilation, especially in confined areas.

Respiratory protection

- : Advice should be sought from respiratory protection specialists. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02

Eye / face protection

- : Wear safety goggles or glasses as appropriate for the job.

Other protective equipment : An eyewash station and safety shower should be made available in the immediate working area. Depending on conditions of use, an impervious apron should be worn. Other equipment may be required depending on workplace standards.

General hygiene considerations

- : Avoid breathing vapour or mist. Avoid contact with eyes and clothing. Do not ingest. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance** : Pre-moistened towellette (clear liquid saturated on wipe).
- Odour** : Alcohol odor.
- Odour threshold** : Not available.
- pH** : Not available.
- Melting Point/Freezing point** : Not available.

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Initial boiling point and boiling range

: 96.1°C
Flash point : 26°C
Flashpoint (Method) : closed cup
Evaporation rate (BuAe = 1) : Not available.
Flammability (solid, gas) : Not applicable
Lower flammable limit (% by vol.)
: Not available.
Upper flammable limit (% by vol.)
: Not available.
Oxidizing properties : None.

Explosive properties : Not explosive
Vapour pressure : Not available.
Vapour density : Not available.

Relative density / Specific gravity

: 0.98
Solubility in water : Complete
Other solubility(ies) : Not available.
Partition coefficient: n-octanol/water or Coefficient of water/oil distribution
: Not available.
Auto-ignition temperature : Not available.
Decomposition temperature : Not applicable.
Viscosity : Not available.
Volatiles (% by weight) : Not available.
Volatile organic Compounds (VOC's)
: Not applicable.
Absolute pressure of container
: Not applicable.
Flame projection length : Not applicable.
Other physical/chemical comments
: None reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not normally reactive.
Chemical stability : Stable under the recommended storage and handling conditions prescribed.
Possibility of hazardous reactions
: Hazardous polymerization will not occur.
Conditions to avoid : Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Avoid contact with incompatible materials. Do not use in areas without adequate ventilation. Avoid heat, open flames, sparks, static electricity and electrical equipment.
Incompatible materials : Strong oxidizers.; Acids
Hazardous decomposition products
: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:****Routes of entry inhalation**

: NO

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Routes of entry skin & eye : YES
Routes of entry Ingestion : NO

Routes of exposure skin absorption
: NO

Potential Health Effects:**Signs and symptoms of short-term (acute) exposure**

Sign and symptoms Inhalation
None expected, when used as intended. Inhalation of high concentrations may cause
: dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects.

Sign and symptoms ingestion
: None expected, when used as intended. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin : None expected, when used as intended. May cause slight or mild, transient irritation.

Sign and symptoms eyes : Symptoms may include redness, pain, tearing and conjunctivitis.

Potential Chronic Health Effects

: Prolonged or repeated skin contact may cause drying and irritation. Prolonged overexposure may cause liver and kidney effects.

Mutagenicity : Not expected to be mutagenic in humans.

Carcinogenicity : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: Not expected to have other reproductive effects.

Sensitization to material : This material is not classified under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: None

Specific target organ effects : This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: None

Medical conditions aggravated by overexposure

: Pre-existing skin, eye and respiratory disorders.

Synergistic materials : None known or reported by the manufacturer.

Toxicological data : There is no available data for the product itself.

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SECTION 12. ECOLOGICAL INFORMATION
Ecotoxicity

: Not classified for hazards to the environment. See the following tables for individual ingredient ecotoxicity data.

Ecotoxicity data:

<u>Ingredients</u>	CAS No	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Ethyl alcohol	64-17-5	> 100 mg/L (Fathead minnow)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Ethyl alcohol	64-17-5	5012 mg/L (Daphnia magna)	N/Av	None.

<u>Ingredients</u>	CAS No	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Ethyl alcohol	64-17-5	1000 mg/L/96hr (Green algae)	N/Av	None.

SECTION 13. DISPOSAL CONSIDERATIONS
Handling for Disposal

 : See Section 7 (Handling and Storage) for further details. .
 : Dispose in accordance with all applicable federal, state, provincial and local regulations.

Methods of Disposal





: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

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SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None	Not regulated	not regulated	None	
49CFR/DOT Additional information	None				
TDG	None	Not regulated	not regulated	None	
TDG Additional information	None				
ICAO/IATA	None	Not regulated	not regulated	None	
ICAO/IATA Additional information	Special provision A46 allows for UN 3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.				
IMDG	None	Not regulated	not regulated	None	
IMDG Additional information	None				

Special precautions for user :None known .

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

: Not available.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

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<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de minimus Concentration
Ethyl alcohol	64-17-5	Yes	None.	None.	No	N/A
Benzethonium Chloride (USP)	121-54-0	NL	N/Ap	N/Av	No	N/A

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Eye irritation; Skin sensitization .

Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethyl alcohol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Benzethonium Chloride (USP)	121-54-0	No	N/Ap	Yes	No	No	No	No	No

Canadian Information:

WHMIS Classification: Refer to Section 2 for a WHMIS Classification for this product.
 All ingredients are present on the DSL.

International Information:

Components listed below are present on the following International Inventory list:

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<u>Ingredients</u>	CAS #	European EINECS	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Ethyl alcohol	64-17-5	200-578-6	Present	Present	(2)-202	KE-13217	Present	HSR001144
Benzethonium Chloride (USP)	121-54-0	N/Av	Present	Present	N/Av	KE-00790	Present	HSR002952

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
 CA: California
 CAS: Chemical Abstract Services
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 CFR: Code of Federal Regulations
 CNS: Central Nervous System
 CSA: Canadian Standards Association
 DOT: Department of Transportation
 EPA: Environmental Protection Agency
 HSDB: Hazardous Substances Data Bank
 IARC: International Agency for Research on Cancer
 Inh: Inhalation
 IUCLID: International Uniform Chemical Information Database
 LC: Lethal Concentration
 LD: Lethal Dose
 MA: Massachusetts
 MN: Minnesota
 N/Av: Not Available
 N/Ap: Not Applicable
 NIOSH: National Institute of Occupational Safety and Health
 NJ: New Jersey
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PA: Pennsylvania
 PEL: Permissible exposure limit
 RCRA: Resource Conservation and Recovery Act
 RI: Rhode Island
 RTECS: Registry of Toxic Effects of Chemical Substances
 SARA: Superfund Amendments and Reauthorization Act
 STEL: Short Term Exposure Limit
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values
 TWA: Time Weighted Average
 WHMIS: Workplace Hazardous Materials Identification System

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References : ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2018.
1. International Agency for Research on Cancer Monographs, searched 2019.
2. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases, 2019 (Chempendium, HSDB and RTECs).
3. Safety Data Sheets from manufacturer.
4. US EPA Title III List of Lists - June 2019 version.
5. California Proposition 65 List - September 2019 version.
6. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2019.

Preparation Date (mm/dd/yyyy)

: 05/2020

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: 2

Revision Information

: (M)SDS sections updated :1. IDENTIFICATION ; 2. HAZARDS IDENTIFICATION ; 4. FIRST AID MEASURES;11. TOXICOLOGICAL INFORMATION ; SECTION 14. TRANSPORTATION INFORMATION 15. REGULATORY INFORMATION .

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

<p><u>Prepared by:</u> Advantus Corporation 12276 San Jose Blvd., Suite 618 Jacksonville, FL 32223 Telephone: (904) 482 0091</p>	
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DISCLAIMER

This Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Advantus Corporation assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this SDS does not apply to use with any other product or in any other process.