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SECTION 1. IDENTIFICATION

Product identifier used on the label

: HandKleen, CLEAN + SAFE

Other means of identification: 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:

Name, address, and telephone number of

the manufacturer:

Refer to supplier

Advantus Corporation

12276 San Jose Blvd., Suite 618 Jacksonville, FL, USA 32223

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 towellete (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

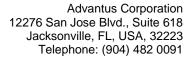
Signal Word: None

Hazard statement(s): None

Other hazards

None

Precautionary statement(s): None





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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Solution

Chemical name	Common name and synonyms	CAS#	Concentration (% by weight)
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

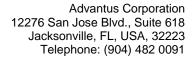
attention if symptoms persist.

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.

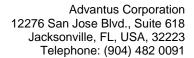
Methods and material for containment and cleaning up

: 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 Incompatible materials : Store in a cool, dry, well-ventilated area. No smoking in the area.

: Oxidizing agents; Strong acids.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	ACGI TWA	H TLV STEL	OSHA P PEL	<u>EL</u> <u>STEL</u>
Ethyl alcohol	N/Av	1000 ppm	1000 ppm (1900 mg/m³)	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

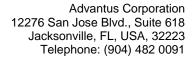
Appearance: Pre-moistened towellette (clear liquid saturated on wipe).

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

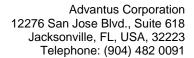
: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation

: NO





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Routes of entry skin & eye : YESRoutes 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

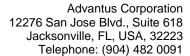
Regulations) (WHMIS 2015). Classification: None

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:

Ingradiente	CACNI	Toxicity to Fish				
<u>Ingredients</u>	CAS No	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					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					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

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	\otimes	
49CFR/DOT Additional information	None		'			
TDG	None	Not regulated	not regulated	None	\otimes	
TDG Additional information	None					
ICAO/IATA	None	Not regulated	not regulated	None	\otimes	
ICAO/IATA Additional information		on A46 allows for UN 3175, Solids, Containing flam to be exempted from the regulations, provided the			kages, containi	
IMDG	None	Not regulated	not regulated	None	\otimes	
IMDG Additional information	None		ı			

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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In our diame	010.4	TSCA CERCLA Reportable		SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical		
<u>Ingredients</u>	CAS#	Inventory	Quantity(RQ) (40 CFR 117.302):	Hazardous Substance, 40 CFR 355:	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:

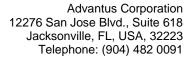
<u>Ingredients</u>	CAS#	California Proposition 65		State "Right to Know" Lists					
	<i>0.10 "</i>	Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Ethyl alcohol	64-17-5	No	N/Ap	Yes	Yes	Yes	Yes	Yes	Yes
Benzethonium Chloride (USP)	121-54-0	No	N/Ap	Yes	No	No	No	No	No

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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Ingredients	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/Ap: Not Applicable N/Av: Not Available

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

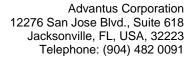
RTECS: Registry of Toxic Effects of Chemical Substances SARA: Superfund Amendments and Reauthorization Act

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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SAFETY DATA SHEET

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, CCInfoWeb 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

Revision No. : 2

Revision Information: (M)SDS sections updated :1. IDENTIFICATION; 2. HAZARDS IDENTIFICATION;

4. FIRST AID MEASURES;11. TOXICOLOGICAL INFORMATION; SECTION 14. TRANPORTATION INFORMATION 15. REGULATORY

INFORMATION.

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared by:

Advantus Corporation 12276 San Jose Blvd., Suite 618 Jacksonville, FL 32223 Telephone: (904) 482 0091



DISCLAIMER

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