

SAFETY DATA SHEET

SECTION ONE – PRODUCT and COMPANY IDENTIFICATION

<i>PRODUCT IDENTIFIER:</i>	DermEssentials Advanced Hand Sanitizer
<i>MANUFACTURER:</i>	SmartScience Laboratories, Inc. 13760 Repron Blvd Tampa, Florida 33626
<i>CHEMICAL DESCRIPTION:</i>	Antiseptic product with Vitamin E and Aloe
<i>RECOMMENDED USE:</i>	Hand Sanitizer.
<i>RESTRICTIONS ON USE:</i>	This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonable foreseeable use. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills.
<i>IN CASE OF EMERGENCY:</i>	813-925-8454

SECTION TWO – HAZARDOUS INGREDIENTS

“Consumer Products” as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

<i>CLASSIFIED HAZARDS:</i>	Flammable (ethyl alcohol), Skin irritant, eye irritant and specific target organ system toxicity.
<i><u>GHS CLASSIFICATION</u></i>	
<i>FLAMMABLE LIQUIDS:</i>	Category 3
<i>EYE IRRITATION:</i>	Category 2A



LABEL ELEMENTS:

PRECAUTIONARY STATEMENTS**PREVENTION:**

<i>P210:</i>	Keep away from heat/sparks/open flames and hot surfaces. No smoking allowed near the exposure area.
<i>P233:</i>	Keep container tightly closed.
<i>P241:</i>	Use explosion proof electrical/lighting/ventilating equipment.
<i>P242:</i>	Use non-sparking tools only.
<i>P243:</i>	Take precautionary measures against static discharge.
<i>P264:</i>	Wash thoroughly after handling.
<i>P280:</i>	Wear protective gloves, eye and face protection.

RESPONSE:

<i>P303 + P361 + P353 IF ON SKIN OR HAIR:</i>	Take off immediately all contaminated clothing and rinse with excess water.
<i>P305 + P351 + P338 IF IN EYES:</i>	Rinse with excessive water for several minutes. Remove contact lenses if applicable and continue to rinse several times. Get medical advice.
<i>P337 + P313 IF EYE IRRITATION PERSISTS:</i>	

STORAGE:

P403 + P235: Store in a well-ventilated place, away from heat.

DISPOSAL:

P501: Dispose contents/containers to an approved waste disposal plant.

HAZARD STATEMENTS:

H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.

HAZARDS NOT OTHERWISE CLASSIFIED:

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

OTHER INFORMATION:

See Section 11 for toxicological information and Section 12 for potential environmental effects.

SECTION THREE – COMPOSITION/INFORMATION ON INGREDIENTS

Description	CAS No.	% by Wt.
Ethyl Alcohol	64-17-5	70
Purified water	7732-18-5	To 100
Glycerin	56-81-5	1
C10/30 Alkyl Acrylate Crosspolymer	138789-85-2	<1
Triethanolamine	102-71-6	<1
Aloe Vera	94349-62-9	<1
d-Limonene	5989-27-5	<1
Disodium EDTA	29031-19-4	<1
Tocopherol Acetate	7695-91-2	<1

SECTION FOUR – FIRST AID MEASURES**EYE CONTACT:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, get medical advice/attention.

<i>SKIN CONTACT:</i>	In the case of skin irritation or allergic reactions consult a physician.
<i>INHALATION:</i>	Not an expected route of exposure. Remove to fresh air. If symptoms persists, consult a physician.
<i>INGESTION:</i>	Not an expected route of exposure. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
<i>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:</i>	Skin and eye irritation.
<i>INDICATION OF ANY IMMEDIATE ATTENTION AND SPECIAL TREATMENT NEEDED:</i>	Treat symptomatically.

SECTION FIVE – FIRE-FIGHTING MEASURES

<i>SUITABLE EXTINGUISHING MEDIA:</i>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment using either one of the following as such or in combination: Water spray Alcohol-resistant foam Dry chemical Carbon dioxide
<i>UNSUITABLE EXTINGUISHING MEDIA:</i>	High volume water jet.
<i>SPECIFIC HAZARD ARAISING FROM CHEMICAL:</i>	NFPA Rating: Health: 2, Fire: 3, Reactivity: 0 (Scale: 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious and 4 = Severe) Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air.
<i>HAZARDOUS COMBUSTION PRODUCTS:</i>	Carbon oxides.
<i>SPECIFIC EXTINGUISHING METHODS:</i>	Use water spray to cool unopened containers. Remove undamaged containers from fire are if possible and evacuate the area.
<i>SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:</i>	As in any fire, wear self-container breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
<i>OTHER INFORMATION:</i>	Flash Point: 21.6°C; Auto ignition (Ethyl Alcohol) 363 °C.

SECTION SIX – ACCIDENTAL RELEASE MEASURES

<i>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</i>	Remove all source of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.
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ENVIRONMENTAL PRECAUTIONS:

Do not allow into any sewer, on the ground or into any body of water. Prevent further leakage or spills if it is safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillage cannot be contained.

METHODS AND MATERIALS FOR CONTAMINATION AND CLEANING UP:

Wipe up with absorbent material such as cloth or fleece. Collect spillage. Local or national regulations may apply to release and disposal of this material, as well as those materials and items employed in the cleanup of releases. Section 13 and 15 provide information regarding certain local or national requirements.

SECTION SEVEN – HANDLING AND STORAGE

TECHNICAL MEASURES:

See Engineering Controls under Section 8.

VENTILATION:

Use local exhaust ventilation only in the area equipped with explosion proof exhaust ventilation.

PRECAUTION FOR SAFE HANDLING:

Do not breathe vapors.
Do not swallow.
Do not get in eyes.
Avoid prolonged or repeated contact with skin.
Keep containers tightly closed.
Store away from heat and source of ignition.
Avoid static discharge near the storage.
Avoid spills.
Take caution to minimize the release of the product into the environment.

CONDITIONS FOR SAFE STORAGE:

Store in original tightly closed (labeled) containers, at room temperature.
Store in a well ventilated place, away from heat and sources of static discharge and ignition.
Store in accordance with the particular national regulations.

OTHER INFORMATION:

Do not store the product with the following product types:
Flammable gases
Flammable solids
Self-heating substances and mixtures
Explosives
Organic peroxides
Strong oxidizing agents
Pyrophoric liquids and solids

SECTION EIGHT – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Exposure guidelines are not relevant when product is used as intended in a household setting.

If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Chemical Name	CAS#	Agency and value (Control parameters / Permissible concentration)
Ethyl Alcohol	64-17-5	NIOSH REL TWA: 1000 ppm / 1900 mg/m ³ ; OSHA Z-1 TWA: 1000 ppm / 1900 mg/m ³ ; ACGIH STEL: 1000 ppm
Propan-2-ol	67-63-0	ACGIH TWA: 200 ppm; ACGIH STEL: 400 ppm; NIOSH REL TWA: 400 ppm / 980 mg/m ³ ; NIOSH REL ST 500 ppm / 1225 mg/m ³ ; OSHA Z-1 TWA: 400 ppm / 980 mg/m ³
Glycerin	56-81-5	OSHA PEL TWA: 15 mg/m ³ ; ACGIH TLV TWA: 10 mg/m ³

LEGEND

<i>OSHA:</i>	Occupational Safety and Health Administration
<i>PEL:</i>	Permissible Exposure Limits
<i>TWA:</i>	Time Weighted Average
<i>NIOSH:</i>	National Institute for Occupational Safety and Health
<i>IDLH:</i>	Immediately Dangerous to Life or Health
<i>ACGIH:</i>	American Conference of Governmental Industrial Hygienists
<i>TLV:</i>	Threshold Limit Value
<i>STEL:</i>	Short-term Exposure Limit
<i>REL:</i>	Recommended Exposure Limit

ENGINEERING CONTROLS: Use only in an area equipped with explosion proof exhaust ventilation. Use with local exhaust ventilation and minimize the exposure concentrations at the workplace.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT: Maintain vapor exposures below the recommended limits using general and local exhaust ventilation. If the vapor concentration is above the recommended limits or unknown, use appropriate respiratory protection. Use a positive air pressure supplied respirator if air purifying respirators may not provide adequate protection. Use flame retardant gloves for hand protection. Breakthrough time is not determined for the product. Hence change gloves often. Wear safety goggles for eye protection and flame retardant antistatic protective clothing. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

GENERAL HYGINE CONSIDERATIONS: Handle in accordance with good industrial hygiene and safety practice.

SECTION NINE – PHYSICAL AND CHEMICAL PROPERTIES

<i>PHYSICAL SATE:</i>	Liquid.
<i>APPEARANCE:</i>	Clear.
<i>COLOR:</i>	Colorless.
<i>ODOR:</i>	Characteristic.

<i>ODOR THRESHOLD:</i>	No information available.
<i>pH:</i>	4.0 – 8.5
<i>MELTING POINT/ FREEZING POINT:</i>	No information available.
<i>BOILING POINT:</i>	(Ethyl Alcohol) 173.3 °F
<i>FLASH POINT:</i>	See Section 5.
<i>EVAPORATION RATE:</i>	No information available.
<i>FLAMABILITY (SOLID, GLAS):</i>	No information available.
<i>UPPER FLAMABILITY LIMIT:</i>	3.3 (Volume % in air).
<i>LOWER FLAMABILITY:</i>	19.0 (Volume % in air).
<i>VAPOR PRESSURE:</i>	No information available.
<i>VAPOR DENSITY:</i>	No information available.
<i>WATER SOLUBILITY:</i>	No information available.
<i>SOLUBILITY IN OTHER SOLVENTS:</i>	No information available.
<i>PARTITION COEFFICIENT:</i>	No information available.
<i>AUTOIGNITION TEMPERATURE:</i>	No information available.
<i>DECOMPOSITION TEMPERATURE:</i>	No information available.
<i>KINEMATIC VISCOSITY:</i>	No information available.
<i>DYNAMIC VISCOSITY:</i>	No information available.
<i>EXPLOSIVE PROPERTIES:</i>	No information available.
<i>OXIDIZING PROPERTIES:</i>	The substance or mixture is not classified as oxidizing.
<i>SOFTENING POINT:</i>	No information available.
<i>MOLECULAR WEIGHT:</i>	No information available.
<i>VOC CONTENT (%):</i>	No information available.
<i>DENSITY:</i>	No information available.
<i>BULK DENSITY:</i>	No information available.

SECTION TEN – STABILITY AND REACTIVITY

<i>REACTIVITY:</i>	None under normal use conditions.
<i>CHEMICAL STABILITY:</i>	Stable at room temperature.
<i>POSSIBILITY OF HAZARDOUS REACTION:</i>	None under normal conditions.

<i>CONDITIONS TO AVOID:</i>	None under normal conditions. Avoid excessive heat or sources of ignition.
<i>INCOMPATIBLE MATERIALS:</i>	None under normal conditions. This product reacts with strong acid, strong bases and oxidizing agents.
<i>HAZARDOUS DECOMPOSITION PRODUCTS:</i>	None under normal conditions. Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

SECTION ELEVEN – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

<i>INGESTION:</i>	No known effect.
<i>INHALATION:</i>	No known effect.
<i>SKIN CONTACT:</i>	Slight skin irritation.
<i>EYE CONTACT:</i>	Slight eye irritation.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE ON HUMANS

<i>SKIN CORROSION / IRRITATION:</i>	Irritates skin.
<i>SERIOUS EYE DAMAGE / EYE IRRITATION:</i>	Irritates eyes.
<i>IRRITATION:</i>	No known effect.
<i>CORROSIVITY:</i>	No known effect.
<i>SENSITIZATION:</i>	No known effect.
<i>GERM CELL MUTAGENICITY:</i>	No known effect.
<i>CARCINOGENICITY:</i>	No known effect.

NUMERICAL MEASURE OF TOXICITY:

The ingredients in the product is not classified as a human carcinogen by IARC (International Agency for Research on Cancer).

<i>REPRODUCTIVE TOXICITY:</i>	No known effect.
<i>DEVELOPMENT TOXICITY:</i>	No known effect.
<i>TERATOGENICITY:</i>	No known effect.
<i>TARGET ORGAN EFFECTS:</i>	No known effect.
<i>NEUROLOGICAL EFFECTS:</i>	No known effect.
<i>OTHER ADVERSE EFFECTS:</i>	No known effect.

<i>ASPIRATION HAZARD:</i>	No known effect.
<i>FURTHER INFORMATION:</i>	When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

SECTION TWELVE – ECOLOGICAL INFORMATION

This product is not considered as environmentally hazardous. However, this does not exclude the possibility that larger or frequent spills can have a harmful or damaging effect on the environment.

<i>ECOTOXICITY:</i>	Available upon request.
<i>PERSISTENCE AND DEGRADABILITY:</i>	Available upon request.
<i>BIOACCUMULATION:</i>	Available upon request.
<i>MOBILITY:</i>	Available upon request.
<i>OTHER ADVERSE EFFECTS:</i>	Available upon request.

SECTION THIRTEEN – DISPOSAL CONSIDERATIONS

<i>DISPOSAL OF WASTES:</i>	Disposal should be in accordance with applicable regional, national and local laws and regulations. Empty containers should be taken to an approved waste handling site for recycling and disposal. Do not burn or use cutting torch on the empty container.
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SECTION FOURTEEN – TRANSPORT INFORMATION

DOT

<i>UN/ID#:</i>	UN 1987
<i>PROPER SHIPPING NAME:</i>	Alcohols, n.o.s. ethanol, menthanol
<i>HAZARD CLASS:</i>	Flammable and combustible liquid 49 CFR 173.120, Class 3.



<i>HAZAR LABELS:</i>	
<i>PACKAGING GROUP:</i>	III – Minor Danger
<i>SPECIAL PROVISIONS</i>	
<i>PACKAGING EXCEPTIONS (49 CFR 173.xxx):</i>	4B; 150
<i>PACKAGING NON BULK (49 CFR 173.xxx):</i>	203
<i>PACKAGING BULK (49 CFR 173.xxx):</i>	242
<i>PACKAGING INSTRUCTIONS</i>	
<i>PASSENGER AIRCRAFT/RAIL (49 CFR 173.27)</i>	60 L
<i>CARGO AIRCRAFT ONLY (49 CFR 175.75)</i>	220 L
<i>VESSEL STOWAGE LOCATION:</i>	A – the material may be stowed “on deck” “or under deck” on a cargo vessel and on a passenger vessel.

IATA-DGR

<i>UN/ID#:</i>	UN 1987
<i>PROPER SHIPPING</i>	

NAME: Alcohol, n.o.s.
Ethanol, Propan-2-ol
HAZARD CLASS: Class 3
PACKAGING GROUP: III



HAZAR LABELS:

LABELS: Flammable Liquid

PACKAGING INSTRUCTION

(CARGO AIRCRAFT): 366

(PASSENGER AIRCRAFT): 355

SECTION FIFTEEN – REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA: Listed.

DSL/NDSL: Listed.

EINECS/ELINCS: Listed.

ENCS: Listed.

IECSC: Listed.

KECL: Listed.

PICCS: Listed.

AICS: Listed.

LEGEND

TSCS: United States Toxic Substance Control Act Section 8(b) Inventory

DSL/NDSL: Canadian Domestic Substance List/Non-Domestic Substances List

EINECS/ELINCS: European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS: Japan Existing and New Chemical Substances

IECSC: China Inventory of Existing Chemical Substances

KECL: Korean Existing and Evaluated Chemical Substances

PICCS: Philippines Inventory of Chemicals and Chemical Substances

AICS: Australian Inventory of Chemical Substances

US FEDERAL REGULATIONS

TSCA SECTION 12(B) EXPORT NOTIFICATION

(40 CFR 707, SUBPT. D): Not regulated.

CERCLA HAZARDOUS SUBSTANCE LIST

(40 CFR 302.4): Not listed.

SARA 304 EMERGENCY

RELEASE NOTIFICATION: Not regulated.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) HAZARD CATEGORIES

IMMEDIATE HAZARD: Yes.

DELAYED HAZARD: Yes.

FIRE HAZARD: Yes.

PRESSURE HAZARD: No.

REACTIVITY HAZARD: No.

*SARA 302 EXTREMELY
HAZARDOUS SUBSTANCE:* Not listed.

*SARA 311/312 HAZARDOUS
CHEMICAL:* No.

SARA 313 (TRI REPORTING): The following components are subject to reporting levels established by SARA Title III, Section 313:

Propan-2-ol	67-63-0	3.4086%
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US STATE REGULATIONS

NEW JERSEY WORKER AND COMMUNITY RTK HAZARDOUS SUBSTANCE:

Ethanol	64-17-5	50-70%
Water	7732-18-5	30-50%
Propan-2-ol	67-63-0	1-5%

PENNSYLVANIA RTK - HAZARDOUS SUBSTANCES:

Ethanol	64-17-5	50-70%
Water	7732-18-5	30-50%
Propan-2-ol	67-63-0	1-5%

*CALIFORNIA
PROPOSITION 65:* This product is not subject to warning labeling.

**SECTION SIXTEEN – OTHER INFORMATION, INCLUDING DATE OF
PREPARATION OF THE LAST REVISION**

ISSUE DATE: April 23, 2020

PREPARATION DATE: April 23, 2020

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