

1. Product and Company Identification

Product name	Instant Sani-Hands
CAS #	Mixture
Product use	Antiseptic
Manufacturer	Professional Disposables International, Inc. Two Nice-Pak Park Orangeburg, NY 10962-1376 or Distributed By: Professional Disposables International, Inc. Vaughan, ON L4L 4K9 Phone: (USA) 1-845-365-1700 (M-F 8am - 5pm) Phone: (CANADA) 1-800-263-7067

2. Hazards Identification

Emergency overview	WARNING FLAMMABLE CAUSES EYE IRRITATION. Do not get in eyes or on clothing. Do not use or store near heat or open flame. KEEP OUT OF REACH OF CHILDREN.
Potential short term health effects	
Routes of exposure	Eye, Skin contact, Inhalation, Ingestion.
Eyes	Causes irritation.
Skin	Non-irritating based on test data. Not a skin sensitizer based on test data.
Inhalation	May cause respiratory tract irritation.
Ingestion	Not a normal route of exposure.
Target organs	Skin. Eyes.
Chronic effects	The finished product is not expected to have chronic health effects.
Signs and symptoms	Symptoms can include irritation, redness, scratching of the cornea, and tearing.
OSHA regulatory status	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
Potential environmental effects	See section 12.

3. Composition/Information on Ingredients

Components	CAS #	Percent
Ethanol	64-17-5	60 - 80
1,2-Propylene glycol	57-55-6	1 - 5

4. First Aid Measures

First aid procedures	
Eye contact	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin contact	Flush with water. In case of skin irritation, discontinue use of product.
Inhalation	If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion	Do not induce vomiting. Contact a physician or Poison Control Center for treatment advice. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
Notes to physician	Treat patient symptomatically.

General advice	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Wear suitable protective clothing as needed. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Keep away from sources of ignition. No smoking. Avoid contact with eyes. Keep out of reach of children.
-----------------------	--

5. Fire Fighting Measures

Flammable properties	Flammable by WHMIS/OSHA criteria. Vapors may travel to a source of ignition and flash back. Containers may explode when heated.
Extinguishing media	
Suitable extinguishing media	Foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	Do not use water jet.
Protection of firefighters	
Specific hazards arising from the chemical	Firefighters should wear a self-contained breathing apparatus.
Protective equipment and precautions for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available.
Sensitivity to static discharge	Not available.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with eyes and prolonged exposure to skin.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Remove sources of ignition. Pick up and discard towel.

7. Handling and Storage

Handling	Use only with adequate ventilation. Avoid contact with eyes. When using do not eat or drink. Wash thoroughly after handling. Use according to package label instructions. Keep container tightly closed. Use good industrial hygiene practices in handling this material. Avoid breathing vapors or mists of this product.
Storage	Store in a closed container away from incompatible materials. Keep away from heat, open flames or other sources of ignition. Do not store at temperatures above 120°F (49°C). Keep out of reach of children.

8. Exposure Controls/Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Ethanol (CAS 64-17-5)	STEL	1000 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethanol (CAS 64-17-5)	PEL	1900 mg/m3

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
		1000 ppm
Exposure limits	Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.	
Engineering controls	General ventilation normally adequate.	
Personal protective equipment		
Eye / face protection	Wear gear as deemed necessary. Follow label directions.	
Hand protection	Wear as deemed necessary, follow label directions.	
Skin and body protection	Follow label directions carefully. As required by employer code.	
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.	
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.	

9. Physical and Chemical Properties

Appearance	Clear Liquid saturated on wipe
Color	Colorless liquid
Form	Liquid saturated on wipe
Odor	Alcohol
Odor threshold	Not available.
Physical state	Solid.
pH	7.5 (Liquid)
Freezing point	Not available.
Boiling point	Not available.
Melting point	Not available.
Pour point	Not available.
Evaporation rate	Not available.
Flash point	71.6 °F (22.0 °C) Tag Closed Cup (Liquid)
Auto-ignition temperature	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity	0.883 (Liquid)
Partition coefficient (n-octanol/water)	Not available.
Solubility (water)	Not available.
Relative density	Not available.
Viscosity	Not available.
VOC	Not available.
Percent volatile	Not available.

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Do not mix with other chemicals.
Incompatible materials	Oxidizers.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
1,2-Propylene glycol (CAS 57-55-6)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	20800 mg/kg
<i>Oral</i>		
LD50	Dog	19000 mg/kg
	Guinea pig	184000 mg/kg
	Mouse	23900 mg/kg
	Rabbit	14800 mg/kg
	Rat	20000 mg/kg
LC50		
Not available.		
Ethanol (CAS 64-17-5)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	39 mg/l, 4 Hours
	Rat	31623 ppm, 4 Hours
<i>Oral</i>		
LD50	Dog	5500 mg/kg
		5.5 g/kg
	Guinea pig	5600 mg/kg
		5.6 g/kg
	Mouse	3450 mg/kg
	Rat	7060 mg/kg
Effects of acute exposure		
Eye contact	Causes irritation.	
Skin contact	Non-irritating based on test data. Not a skin sensitizer based on test data.	
Inhalation	May cause respiratory tract irritation.	
Ingestion	Not a normal route of exposure.	
Sensitization	The finished product is not expected to have chronic health effects.	
Chronic effects	The finished product is not expected to have chronic health effects.	
Carcinogenicity	The finished product is not expected to have chronic health effects.	
Mutagenicity	The finished product is not expected to have chronic health effects.	
Reproductive effects	The finished product is not expected to have chronic health effects.	
Teratogenicity	The finished product is not expected to have chronic health effects.	
Name of Toxicologically Synergistic Products	Not available.	

12. Ecological Information

Ecotoxicity See below

Ecotoxicological data**Components****Species****Test Results**

1,2-Propylene glycol (CAS 57-55-6)

Crustacea

EC50

Daphnia

10000 mg/L, 48 Hours

Aquatic

Crustacea

EC50

Water flea (Daphnia magna)

> 10000 mg/l, 48 hours

Fish

LC50

Fathead minnow (Pimephales promelas)

710 mg/l, 96 hours

Ethanol (CAS 64-17-5)

Crustacea

EC50

Daphnia

11744.5 mg/L, 48 Hours

Aquatic

Crustacea

EC50

Water flea (Daphnia magna)

7.7 - 11.2 mg/l, 48 hours

Fish

LC50

Fathead minnow (Pimephales promelas)

> 100 mg/l, 96 hours

Persistence and degradability

Not available.

**Bioaccumulation /
Accumulation**

Not available.

**Mobility in environmental
media**

Not available.

Environmental effects

Not available.

Aquatic toxicity

Not available.

Partition coefficient

1,2-Propylene glycol

-0.92

Ethanol

-0.31

Chemical fate information

Not available.

13. Disposal Considerations**Disposal instructions**

Dispose in accordance with all applicable regulations. Review federal, state and local government requirements prior to disposal.

**Waste from residues / unused
products**

Not available

Contaminated packaging

Not available

14. Transport Information**U.S. Department of Transportation (DOT)****Basic shipping requirements:****UN number**

UN3175

Proper shipping name

Solids containing flammable liquid, n.o.s. (Ethanol)

Hazard class

4.1

Packing group

II

Special provisions

47, IB6, IP2, T3, TP33

Packaging exceptions

151

Packaging non bulk

212

Packaging bulk

240

Transportation of Dangerous Goods (TDG - Canada)**Basic shipping requirements:****UN number**

UN3175

Proper shipping name

Solids containing flammable liquid, n.o.s. (Ethanol)

Hazard class

4.1

Packing group

II

Special provisions

47, IB6, IP2, T3, TP33

Packaging exceptions

151

Packaging non bulk

212

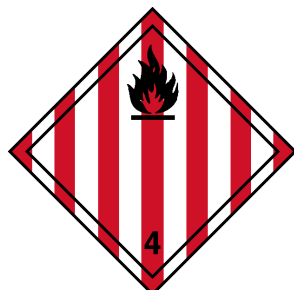
Packaging bulk

240

DOT



TDG



15. Regulatory Information

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Canada NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Ethanol (CAS 64-17-5) 1 tonnes

Canada WHMIS Ingredient Disclosure: Threshold limits

1,2-Propylene glycol (CAS 57-55-6) 1 %

Ethanol (CAS 64-17-5) 0.1 %

WHMIS classification Exempt - Registered product - (NHP To be registered)

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 Yes
hazardous chemical

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethanol (CAS 64-17-5) Listed.

US CAA Section 111 Volatile Organic Compounds: Listed substance

1,2-Propylene glycol (CAS 57-55-6) Listed.

Ethanol (CAS 64-17-5) Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity

Ethanol: 100

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

State regulations See below

US - California Hazardous Substances (Director's): Listed substance

Ethanol (CAS 64-17-5) Listed.

US - Illinois Chemical Safety Act: Listed substance

Ethanol (CAS 64-17-5) Listed.

US - Louisiana Spill Reporting: Listed substance

Ethanol (CAS 64-17-5) Listed.

US - Minnesota Haz Subs: Listed substance

1,2-Propylene glycol (CAS 57-55-6) Listed.

Ethanol (CAS 64-17-5) Listed.

US - New Jersey RTK - Substances: Listed substance

1,2-Propylene glycol (CAS 57-55-6) Listed.

Ethanol (CAS 64-17-5) Listed.

US - Texas Effects Screening Levels: Listed substance

1,2-Propylene glycol (CAS 57-55-6) Listed.

Ethanol (CAS 64-17-5) Listed.

US. Massachusetts RTK - Substance List

Ethanol (CAS 64-17-5) Listed.

US. Pennsylvania RTK - Hazardous Substances

1,2-Propylene glycol (CAS 57-55-6) Listed.

Ethanol (CAS 64-17-5) Listed.

US. Rhode Island RTK

Not regulated.

Inventory status

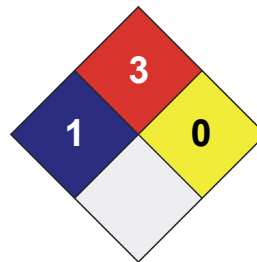
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 1
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date

10-January-2014

Effective date

15-November-2013

Expiry date

15-November-2016

Prepared by

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

Other information

For any questions surrounding this MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.