Material Safety Data Sheet

NFPA	HMIS
	Health Hazard 1 Fire Hazard 2 Reactivity 0

Issuing Date 10-Aug-2009 **Revision Date** **Revision Number** 0

NFPA/HMIS Ratings Legend Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name **Sani Professional™ Brand Sani-Hands® Instand Hand Sanitizing Wipes**

Product Code(s) **MSDS0070**

Recommended Use Disinfecting wipes

Other Information

Anti-microbial alcohol gel wipes. For external use only.

Supplier Address

Professional Disposables
International, Inc.
Two Nice-Pak Park
Orangeburg, NY 10962
P: 845-365-1700

2. HAZARDS IDENTIFICATION

CAUTION!

Emergency Overview

Flammable
May cause skin and eye irritation

Appearance Colorless **Physical State** Solid containing liquid **Odor** Alcohol

Potential Health Effects

Principle Routes of Exposure Skin contact, Eye contact.

Acute Toxicity

Eyes May cause irritation.
Skin May cause irritation.
Inhalation Not an expected route of exposure.

Ingestion	No hazard from product as supplied.
Chronic Effects	No known effect.
Aggravated Medical Conditions	Preexisting eye disorders. Skin disorders. Central nervous system.
Environmental Hazard	See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Ethanol	64-17-5	60-100
Water	7732-18-5	30-60
Propylene Glycol	57-55-6	1-5
Glycerin	56-81-5	0.1-1
2-Amino-2-methyl-1-propanol	124-68-5	<0.1
Aloe barbadensis extract	85507-69-3	<0.1
Tocopherol, acetate	1406-70-8	<0.1

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician.
Ingestion	Not an expected route of exposure. Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Flammable; may be ignited by heat, sparks or flames.
Flash Point	23.3°C / 74°F
Suitable Extinguishing Media	Foam. Carbon dioxide (CO_2). Water spray or fog.
Unsuitable Extinguishing Media	CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.
Hazardous Combustion Products	Carbon oxides.
Sensitivity to Mechanical Impact	None.
Explosion Data	
Sensitivity to Static Discharge	May be ignited by heat, sparks or flames.

Specific Hazards Arising from the Chemical Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard.

Protective Equipment and Precautions for Firefighters Move containers from fire area if you can do it without risk.

NFPA	**Health Hazard** 1	**Flammability** 2	**Stability** 0	**Physical and Chemical Hazards** N/A
HMIS	**Health Hazard** 1	**Flammability** 2	**Stability** 0	**Personal Precautions** A

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

Methods for Containment A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for Cleaning Up Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.

Other Information Water spray may reduce vapor; but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Discard after single use.

Storage Keep away from heat and sources of ignition. Keep container tightly closed. Keep from freezing. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m³	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m³
Glycerin 56-81-5	TWA: 10 mg/m³	TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 10 mg/m³ (vacated) TWA: 5 mg/m³	

Engineering Measures Showers, eyewash stations, and ventilation systems.

Personal Protective Equipment

Eye/Face Protection No special protective equipment required.

Skin and Body Protection Protective gloves.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless	**Odor**	Alcohol
Odor Threshold	No information available	**Physical State**	Solid containing liquid
pH	5.8		
Flash Point	23.3°C / 74°F	**Autoignition Temperature**	No information available
Decomposition Temperature	No information available	**Boiling Point/Range**	No information available
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	**Explosion Limits**	No information available
Specific Gravity	0.893	**Water Solubility**	Cloth not soluble
Solubility	No information available	**Evaporation Rate**	No information available
Vapor Pressure	No data available	**Vapor Density**	No data available
VOC Content	Not applicable		

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Products Strong oxidizing agents.

Conditions to Avoid Heat, flames and sparks.

Hazardous Decomposition Products Carbon oxides.

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information .

Irritation May cause skin and eye irritation.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	90 mL/kg (Rat)		
Glycerin	12600 mg/kg (Rat)	21900 mg/kg (Rat)	570 mg/m³ (Rat) 1 h
2-Amino-2-methyl-1-propanol	2900 mg/kg (Rat)	2000 mg/kg (Rabbit)	
Propylene Glycol	20000 mg/kg (Rat)	20800 mg/kg (Rabbit)	
Ethanol	7060 mg/kg (Rat)		

Chronic Toxicity

Chronic Toxicity No known effect.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol		Group 1	Known	X

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
NTP: (National Toxicity Program)
Known - Known Carcinogen
OSHA: (Occupational Safety & Health Administration)
X - Present

Sensitization Patch test on human volunteers did not demonstrate irritating properties. Patch test on human volunteers did not demonstrate sensitization properties.

Target Organ Effects Central nervous system (CNS).

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Ethanol		LC50= 12900 mg/L Oncorhynchus mykiss 96 h LC50= 14.2 mg/L Pimephales promelas 96 h	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	EC50 = 10800 mg/L 24 h EC50 = 9268 mg/L 48 h
Propylene Glycol	EC50 = 19000 mg/L 96 h	LC50= 51400 mg/L Pimephales promelas 96 h LC50= 51600 mg/L Oncorhynchus mykiss 96 h	EC50 = 710 mg/L 30 min	EC50 > 10000 mg/L 48 h
Glycerin		LC50 51000 - 57000 mg/L Oncorhynchus mykiss 96 h		EC50 > 500 mg/L 24 h
2-Amino-2-methyl-1-propanol	EC50 = 520 mg/L 72 h	LC50= 190 mg/L Lepomis macrochirus 96 h		EC50 = 193 mg/L 48 h

Chemical Name	Log Pow
Ethanol	-0.32
Glycerin	= -1.76

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated Packaging Dispose of in accordance with local regulations.

US EPA Waste Number D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Ethanol	Toxic; Ignitable

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Consumer commodity
Hazard Class ORM-D

14. TRANSPORT INFORMATION

Description	Consumer commodity,ORM-D,

TDG

Proper Shipping Name	Ethanol
Hazard Class	3
UN-No	UN1170
Packing Group	III
Description	ETHANOL,3,UN1170,PG III

MEX

Proper Shipping Name	Ethanol
Hazard Class	3
UN-No	UN1170
Packing Group	III
Description	UN1170 Ethanol,3,III

ICAO

UN-No	UN1170
Proper Shipping Name	Ethyl alcohol solution
Hazard Class	3
Packing Group	III
Description	Ethyl alcohol solution,3,UN1170,PG III

IATA

UN-No	UN1170
Proper Shipping Name	Ethyl alcohol solution
Hazard Class	3
Packing Group	III
ERG Code	3L
Description	UN1170,Ethyl alcohol solution,3,PG III

IMDG/IMO

Proper Shipping Name	Ethanol (Ethyl alcohol)
Hazard Class	3
UN-No	UN1170
Packing Group	III
EmS No.	F-E, S-D
Description	UN1170, Ethanol (Ethyl alcohol),3,PG III

RID

Proper Shipping Name	Ethanol (Ethyl alcohol)
Hazard Class	3
UN-No	UN1170
Packing Group	III
Classification Code	F1
Description	UN1170 Ethanol (Ethyl alcohol),3,III,RID
ADR/RID-Labels	3

ADR

Proper Shipping Name	Ethanol (Ethyl alcohol)
Hazard Class	3
UN-No	UN1170
Packing Group	III
Classification Code	F1
Description	UN1170 Ethanol (Ethyl alcohol),3,III

14. TRANSPORT INFORMATION

ADN

Proper Shipping Name	Ethanol
Hazard Class	3
Packing Group	III
Classification Code	F1
Special Provisions	144, 330, 601
Description	UN1170 Ethanol,3,III
Hazard Labels	3
Limited Quantity	LQ7
Ventilation	VE01

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL	Complies

U.S. 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

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

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.

U.S. State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals: Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	CAS-No	California Prop. 65
Ethanol	64-17-5	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Glycerin	X		X		X
2-Amino-2-methyl-1-propanol	X		X		
Propylene Glycol			X		X
Ethanol	X	X	X		X

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
Glycerin		Mexico: TWA= 10 mg/m^3
Ethanol		Mexico: TWA= 1900 mg/m^3 Mexico: TWA= 1000 ppm

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Not regulated under CEPA

16. OTHER INFORMATION

Issuing Date	10-Aug-2009
Revision Date	
Revision Note	No information available

Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of MSDS