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# **MATERIAL SAFETY DATA SHEET**

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MSDS-086

Prep	ared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision; 2.1 MSDS Revision Date: 11/30/2010										
_	1 DOODHOT IDENITIES ATION										
1.1	1. PRODUCT IDENTIFICATION										
1.1	Product Name: SWISS HAND GUARD ANTISEPTIC HANDWASH GEL										
1.2	Chemical Name:										
1.0	ETHANOL SOLUTION										
1.3	Synonyms: NA										
1.4	Trade Names: SD041,SD 044, SD046, SD047, SD048, SD052, SD053, SD051, SD054, SD056, SD057, SD058, RGR72										
1.5	Product Use: PROFESSIONAL OR SUNDRY USE ONLY										
1.6	Manufacturer's Name:										
1.7	OPI PRODUCTS, INC.										
1.7	Manufacturer's Address: 13034 SATICOY STREET, NO. HOLLYWOOD, CA 91605 USA										
1,8	Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300										
1.9	Business Phone: +1 (818) 759-2400 / +1 (800) 341-9999										
	17 (616) 737-2400 7 11 (600) 641-7777										
	2. HAZARD IDENTIFICATION										
2.1	Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC:1088 (2004) and ADG Code (Australia). Flammable liquid.										
2.2	Routes of Entry: Inhalation: YES Absorption: YES Ingestion: YES										
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression.										
	EYES & SKIN: The liquid may produce eye discomfort and is capable of causing temporary impairment of vision and/or transient eye inflammation, ulceration. The vapor is discomforting to the eye. Splashes may cause severe eye irritation, possible corneal burns and eye damage. Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to skin, especially after prolonged contact. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.										
	INHALATION: Vapors of this product may be moderately irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of concentrated vapors can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea). Odor may give some warning of exposure, but odor fatigue may occur.										
2.4											
2.5	Acute Health Effects:  Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.										
2.6	Chronic Health Effects:  The material may accentuate any pre-existing dermatitis condition. None known; however, isopropylparaben, isobutylparaben and n-butylparaben, contained in very small quantities in this product, may be mild allergens to some sensitive individuals.										
2.7	Target Organs: Eyes, skin & respiratory system.										
	Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004mat.										

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3. COMPOSITION & INGREDIENT INFORMATION

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**OTHER** 

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contaminated equipment with soapy water before returning to service.

**ACGIH** 

ppm

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**OSHA** 

ppm

EXPOSURE LIMITS IN AIR (mg/m³)

**NOHSC** 

ppm

						10.15						10.10.1		
	CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	
ALCOHOL DENATURED (SD Alcohol 38-B)		64-17-5	KQ63000000	200-578-6	≤ 70.0	1000	3000	1000	NF	NF	1000	3000	NE	
WATE		7732-18-5	ZC0110000	231-791-2	< 30.0	NA	NA	NF	NF	NF	NA	NA	NA	
	BOMER 980	9003-01-4	AT4680000	NA NA	≤ 1.0	NA NA	NA	NF	NF	NF	NA	NA	NA NA	
SORB		50-70-4	LZ4290000	200-061-5	≤ 1.0	NA	NA	NF	NF	NF	NA	NA	NA NA	
	LHEXYL PALMITATE	29806-73-3	NA	249-862-1	≤ 1.0	NA NA	NA	NF	NF	NF	NA	NA NA	NA NA	
	AETHAMINE	77-86-1	TY2900000	201-064-4	< 1.0	NA	NA	NF	NF	NF	NA NA	NA	NA	
	WETRIAZOLE	2440-22-4	GO6860000	219-470-5	< 1.0	NA NA	NA NA	NF	NF	NF	NA NA	NA NA	NA	
	ROPYLPARABEN	4191-73-5	NA	224-069-3	< 1.0	NA	NA NA	NF	NF	NF	NA	NA NA	NA	
-	UTYLPARABEN	4247-02-3	NA NA	224-208-8	< 1.0	NA	NA	NF	NF	NF	NA	NA NA	NA	
	LPARABEN	94-26-8	DH1980000	202-318-7	< 1.0	NA	NA	NF	NF	NF	NA	NA NA	NA NA	
		3567-66-6	QJ6197000	222-656-9	< 1.0	NA NA	NA	NF	NF	NF	NA	NA NA	NA NA	
CIT	200 (RED 33)	3307-00-0	Q30177000	222-030-7	1.0	IVA	INA	MI	ML	INF	IVA	INA	INA	
					J	L .				li i				
			<b>⊿</b> F	IRST AID I	MFASI	IRES								
4.2		y Exposure:	euse. If irritati ir at once. If b	on, redness or preathing stop	r swelling s, perforr	persis n artific	ts, con cial res	piratio HEA FLA/ REA	chysici n. See LTH MMA	ian imr ek imm ABILIT	nediate ediate	ely. medi	cal atte	
							ŀ		IECI	IIVE		I /VI		<del></del>
								EYES						
			5 FIR	EFIGHTING	3 MFA	SURI	=S							
5.1	Flashpoint & Method: 13 °C (56 °F)		V. III		- ITTE/									
5.2	Autolgnition Temperature: 422 °C (793 °F)													
5.3	Flammability Limits:		Lower Explo	osive Limit (LEL	):	3.3		Upper	Explo	sive Lin	nit (UEL	):	19	9.0
5.4	Fire & Explosion Hazards: This product is an extrem decompose to form toxic				a fire, t	his pro	duct i	may ig	ınite a	nd		4		
5.5	Extinguishing Methods: Water, Foam, CO <sub>2</sub> , Dry Ch	emical										1	0	
5.6	Firefighting Procedures: First responders should we and MSHA/NIOSH-approventering storm drains, but contaminated equipment	ed self-contai	ned breathing , or other en	g apparatus. vironmentally	If possible sensitive	e, prev	ent ru	noff w	ater fro	om			>	/

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### 6. ACCIDENTAL RELEASE MEASURES

6.1 Spills:

Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.

For small spills (e.g., <1 gallon) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

For spills ≥ 1 gallon, deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Use ONLY non-sparking tools for recovery and cleanup. Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

## 7. HANDLING & STORAGE INFORMATION

Work & Hyglene Practices:

Avoid prolonged contact with this material. Avoid breathing the vapors generated by this product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). Wash exposed skin thoroughly with plenty of soap & water after using this product. If necessary, use a moisturizer after washing. Do not eat, drink, or smoke while handling this product.

7.2 Storage & Handling:

> Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat, open flames, sparks, and other possible sources of ignition. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers securely closed when not in use. Open slowly on a level. stable surface. Empty containers may contain residual amounts of this product; therefore, empty containers should be handled with care. As a precaution against exposure to the eyes, nose, throat and face, this product should not be stored higher than waist level. Keep away from children at all times!

Special Precautions:

Do not store where temperatures can exceed 50 °C (122 °F).

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Use with adequate ventilation (e.g., local exhaust ventilation, fans). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station).

Respiratory Protection:

No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.

Eye Protection: 8.3

Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants.

None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.

When handling large quantities (e.g., ≥ 1 gallon), wear rubber or impervious plastic gloves.

8.5

No apron required when handling small quantities.

When handling large quantities (e.g.,  $\geq$  1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards MSDS Revision: 2.1 MSDS Revision Date: 11/30/2010 9. PHYSICAL & CHEMICAL PROPERTIES Density: 0.92 9.2 Bolling Point: 78 °C (173 °F) Melting Point: 9.3 9.4 Evaporation Rate: < 1.0 (n-BuAc = 1.0)9.5 Vapor Pressure: ND 9.6 Molecular Weight: NE 9.7 Appearance & Color: Light pink, viscous gel with a fragrant, minty odor. 9.8 Odor Threshold: NE 9.9 Solublity: Soluble in water. 9.10 рΗ NA 9.11 Viscosity: NE 9.12 Other Information: NA 10. STABILITY & REACTIVITY 10.1 Stability: Relatively stable under ambient conditions when stored properly. 10.2 Hazardous Decomposition Products: If exposed to extremely high temperatures, products of thermal decomposition may include irritating vapors and toxic gases (e.g., oxides of carbon & nitrogen). 10.3 Hazardous Polymerization: Will not occur. 10.4 Conditions to Avold: Exposure or contact to extreme temperatures, incompatible chemicals, strong light sources, sparks, flame. 10.5 Incompatible Substances: Strong oxidizers, peroxides, strong acids or alkalis. 11. TOXICOLOGICAL INFORMATION 11.1 Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. There are toxicology data for the components of the product, which are found in scientific literature. These data have not been presented in this document. Acute Toxicity: See Section 2.5 11.3 Chronic Toxicity: See Section 2.6 11.4 Suspected Carcinogen: No 11.5 Reproductive Toxicity: This product is not reported to cause reproductive toxicity in humans. This product is not reported to produce mutagenic effects in humans. Embryotoxicity: This product is not reported to produce embryotoxic effects in humans. This product is not reported to cause teratogenic effects in humans Reproductive Toxicity: This product is not reported to cause reproductive effects in humans. 11.6 Irritancy of Product: See Section 2.3 11.7 Blological Exposure Indices: NE 11.8 Physician Recommendations: Treat symptomatically.

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards | MSDS Revision: 2.1 MSDS Revision Date: 11/30/2010 12. ECOLOGICAL INFORMATION 12.1 Environmental Stability: This product will slowly volatile from soil. Components of this product will slowly decompose into organic compounds. 12.2 Effects on Plants & Animals: There is no specific data available for this product. 12.3 Effects on Aquatic Life: There is no specific data available for this product. Releases of large volumes may be harmful or fatal to overexposed aquatic life. Aquatic toxicity data for components of this product are available, but are not presented in this MSDS. 13. DISPOSAL CONSIDERATIONS Waste Disposal: Dispose in accordance with local, state and Federal hazardous waste laws. 13.2 Special Considerations: U.S. EPA Characteristic Waste: D001 (ignitability) 14. TRANSPORTATION INFORMATION The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR. 49 CFR (GND): CONSUMER COMMODITY, ORM-D UN1170, ETHANOL SOLUTIONS, 3, II (> 1.0 L) CONSUMER COMMODITY, 9, ID8000 (≤ 0.5 L) UN1170, ETHANOL SOLUTIONS, 3, II (> 0.5 L) 14.3 IMDG (OCN): UN1170, ETHANOL SOLUTIONS, 3, II, LTD QTY (≤ 1.0 L) UN1170, ETHANOL SOLUTIONS, 3, II (> 1.0 L) 14.4 TDGR (Canadian GND): MARK PACKAGE "LIMITED QUANTITY" or "QUANTITÉ LIMITÉE" or "LTD QTY" or "QUANT LTÉE" (≤ 1.0 L) ORM-D UN1170, ETHANOL SOLUTIONS, 3, II (> 1.0 L) UN1170, ETHANOL SOLUTIONS, 3, II, ADR, LTD QTY (≤ 1.0 L) UN1170, ETHANOL SOLUTIONS, 3, II, ADR (> 1.0 L) 14.6 MEXICO (SCT): UN1170, ETANOL EN SOLUCIÓN, 3, II, CANTIDAD LIMITADA (≤ 1.0 L) UN1170, ETANOL EN SOLUCIÓN, 3, II (> 1.0 L) ADGR (AUS): UN1170, ETHANOL SOLUTIONS, 3, II (> 0.5 L)

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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards | MSDS Revision: 2.1 MSDS Revision Date: 11/30/2010 15. REGULATORY INFORMATION SARA Reporting Requirements: NA 15.2 SARA Threshold Planning Quantity: NA TSCA Inventory Status: 15.3 All components of this product are listed in the TSCA Inventory or are exempt. 15.4 CERCLA Reportable Quantity (RQ): Acetone (5000 lbs) 15.5 Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics) 15.6 Other Canadian Regulations This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List. Class B2 Flammable Liquid. 15.7 Ingredients in this mixture on found on the following state criteria lists: Massachusetts Hazardous Substances List Ethanol Ethanol Minnesota Hazardous Substances List Pennsylvania Hazardous Substances List Ethanol Washington Permissible Exposure Limits for Air Contaminants Ethanol 15.8 67/548/EEC (European Union) Requirements: The primary component of this product is listed in Annex I of EU Directive 67/548/EEC: Ethanol: Flammable (F), R: 11-36/37 – Highly flammable. Irritating to eyes and respiratory system. S: 2-7-16-24/25/26 - Keep out of the reach of children. Keep container tightly closed. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 16. OTHER INFORMATION Other Information: 16.1 Keep out of reach of children. Do not take internally. Keep away from heat and open flame. 16.2 Terms & Definitions: Please see last page of this MSDS. 16.3 Disclaimer: This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & OPI Products' knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not augranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition. Prepared for: 16.4 OPI Products, Inc. 13034 Saticoy Street No. Hollywood, CA 91605 USA +1 (818) 759-2400 phone +1 (818) 759-5770 fax http://www.opi.com/ 16.5 Prepared by: ShipMate, Inc. **PO Box 787** Sisters, OR 97759-0787 USA Phone: +1 (310) 370-3600 Fax: +1 (310) 370-5700 Training & Consulting e-mail: shipmate@shipmate.com

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## **DEFINITION OF TERMS**

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

#### **GENERAL INFORMATION:**

CAS No.	Chemical Abstract Service Number
---------	----------------------------------

#### **EXPOSURE LIMITS IN AIR:**

ACGIH	American Conference on Governmental Industrial Hygienists				
TLV Threshold Limit Value					
OSHA	U.S. Occupational Safety and Health Administration				
PEL	Permissible Exposure Limit				
IDLH	Immediately Dangerous to Life and Health				

#### FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person
	whose heart has stopped receives manual chest
	compressions and breathing to circulate blood and provide
	oxygen to the body.

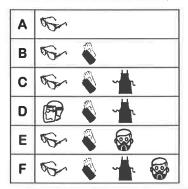
#### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

#### **HEALTH, FLAMMABILITY & REACTIVITY RATINGS:**

0	Minimal Hazard	
1	Slight Hazard	
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	



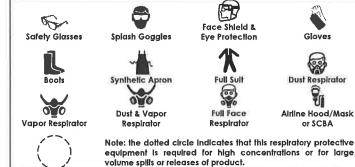
### PERSONAL PROTECTION RATINGS:





Gloves

9



### OTHER STANDARD ABBREVIATIONS:

NA	Not Available	
NR	No Results	
NE	Not Established	
ND	Not Determined	
ML	Maximum Limit	
SCBA	Self-Contained Breathing Apparatus	

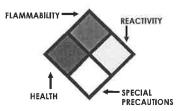
#### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

#### FLAMMABILITY LIMITS IN AIR:

Autoignition	Minimum temperature required to initiate combustion			
Temperature	in air with no other source of ignition			
LEL Lower Explosive Limit - lowest percent of vapor in a				
	volume, that will explode or ignite in the presence of			
	an ignition source			
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of			
	by volume, that will explode or ignite in the presence of			
	an ignition source			

#### **HAZARD RATINGS:**

0	Minimal Hazard		
1	Slight Hazard		
2	Moderate Hazard		
3	Severe Hazard		
4	Extreme Hazard		
ACD	Acidic		
ALK	Severe Hazard Extreme Hazard Acidic Alkaline Corrosive		
COR	Corrosive		
<del>-₩</del> -	Use No Water		
ОХ	Oxidizer		



#### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals s
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TDio	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>io</sub> , LD <sub>io</sub> , & LD <sub>o</sub> or TC, TC <sub>o</sub> , LC <sub>io</sub> , & LC <sub>o</sub>	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log Kow or log Koc	Coefficient of Oil/Water Distribution

#### **REGULATORY INFORMATION:**

WHMIS	Canadian Workplace Hazardous Material Information System					
DOT	U.S. Department of Transportation					
TC						
EPA						
DSL	Canadian Domestic Substance List					
NDSL	DSL Canadian Domestic Substance List					
PSL	Canadian Priority Substances List					
TSCA	U.S. Toxic Substance Control Act					
EU	Furgoean Union (European Union Directive 67/548/FEC)					

#### **EC INFORMATION:**

		1.50		10.	(S		
С	Ε	F	N	0	T+	Xi	Xn
Сопозіче	Explosive	Flammoble	Harmful	Oxidizing	Toxic	írritant	Harmful