



# MATERIAL SAFETY DATA SHEET

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MSDS-E-EEP102

Prepared to OSHA, ACC, ANSI, WHMIS, NOHSC & 2001/58 EC Standards

MSDS Revision: 1.0

MSDS Revision Date: 01/19/2011

## 1. PRODUCT IDENTIFICATION

CHEMICAL RESPONSE CARD: **03**

1.1	Product Name:	<b>HAND-E-GLOVE™, PROTECTIVE LOTION, Part No. EEP-102</b>	RESPONSE TEAM PPE:				
1.2	Chemical Name:	See ingredients listed in section 3					
1.3	Synonyms:	NA	WHMIS:				
1.4	Trade Names:	Hand-E-Glove™ Protective Lotion					
1.5	Product Use:	Hand Protective Lotion	<b>HEALTH:</b>		<b>0</b>		
1.6	Manufacturer's Name:	CAIG Laboratories, Inc.	<b>FLAMMABILITY:</b>		<b>0</b>		
1.7	Manufacturer's Address:	12200 Thatcher Court, Poway, CA 92064-6876	<b>PHYSICAL HAZARDS:</b>		<b>0</b>		
1.8	Business Phone:	+1 (800) 224-4123	<b>PERSONAL PROTECTION:</b>		<b>A</b>		
1.9	Emergency Phone:	<b>CHEMTREC +1 (703) 527-3887 / +1 (800) 424-9300</b>					
1.10	Other Product Names:	Radio Shack Part No. 640-0103					

## 2. HAZARD IDENTIFICATION

2.1	Hazard Identification: <b>This product is NOT classified as a HAZARDOUS SUBSTANCE or as DANGEROUS GOODS according to the classification criteria of [NOHSC: 1088 (2004)] and ADG Code (Australia).</b>						
2.2	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	NO
2.3	Effects of Exposure: <b>INGESTION:</b> If product is swallowed, may cause nausea, vomiting and/or diarrhea. <b>EYES:</b> Slightly irritating to the eyes. <b>SKIN:</b> May be irritating to skin in some sensitive individuals. <b>INHALATION:</b> Inhalation is very unlikely.						
2.4	Symptoms of Overexposure: <b>EYES:</b> Symptoms of overexposure may include redness, itching, irritation and watering (if in eyes). <b>SKIN:</b> Symptoms of overexposure may include redness, itching and irritation.						
2.5	Acute Health Effects: <b>EYES:</b> Redness, itching, irritation (and watering if in eyes) at the site of contact for some sensitive individuals. <b>SKIN:</b> Redness, itching and irritation of skin at the site of contact for some sensitive individuals.						
2.6	Chronic Health Effects: <b>None known.</b>						
2.7	Target Organs: <b>Eyes, Skin</b>						

## 3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m³)								
					ACGIH		NOHSC		OSHA			OTHER	
					TLV	STEL	ppm	ppm	ES-TWA	ES-STEL	ES-PEAK		PEL
PROPRIETARY MIX	TRADE SECRET	UNK	UNK	99.9	NA	NA	NF	NF	NF	NA	NA	NA	
BENZALKONIUM CHLORIDE	8001-54-5	BO3150000	N/A	≤ 0.1	NA	NA	NF	NF	NF	NA	NA	NA	

**Additional ingredients:** Water (Aqua), Aloe Barbadensis (Aloe Vera) Leaf Juice, Cyclopentasiloxane, Isopropyl Palmitate (Palm Oil), Cetearyl Alcohol (Plant Derived), Behentrimonium Methosulfate, Dimethicone (Mineral Based), Stearyl Alcohol (Plant Derived), Dimethicone Crosspolymer, PTFE, Polysorbate-60 (Plant Derived), Vitis Vinifera (Grape) Seed Oil, Simmondsia Chinensis (Jojoba) Seed Oil, Saccharum Officinarum (Sugar Cane), Pyrus Malus (Apple) Fruit Extract, Persea Gratissima (Avocado) Oil, Limnanthes Alba (Meadowfoam) Seed Oil, Glycyrrhiza Glabra (Licorice) Extract, Cucumis Sativus (Cucumber) Fruit Extract, Citrus Medica Limonum (Lemon) Fruit Extract, Camellia Sinensis (Green Tea) Leaf Extract, PPG-12/SMDI Copolymer (Polyolprepolymer-2), Cetyl Alcohol (Plant Derived), Ethylhexylglycerin (Plant Derived Preservative), Polyquaternium-37, Propylene Glycol Dicaprylate/Dicaprate, Hydroxyethylcellulose, PPG-1 Trideceth-6, DMDM Hydantoin, Benzalkonium Chloride (OTC), Fragrance (Parfum), Disodium EDTA, Iodopropynyl Butylcarbamate

NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used

NOTE: all WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.



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## 4. FIRST AID MEASURES

4.1 First Aid:

**INGESTION:** DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.

**EYES:** If product is in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. Open and close eyelid(s) to ensure thorough irrigation. If problem persists seek medical attention.

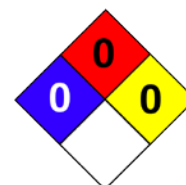
**SKIN:** If redness, dryness or other signs of irritation to the skin develop, wash affected skin areas with plenty of warm water and soap. Do not wear contaminated clothing until after it has been properly cleaned. If irritation persists, consult a physician.

**INHALATION:** Remove victim to fresh air at once.

4.2 Medical Conditions Aggravated by Exposure: None known.	<b>HEALTH</b>			<b>0</b>
	<b>FLAMMABILITY</b>			<b>0</b>
	<b>PHYSICAL HAZARDS</b>			<b>0</b>
	<b>PROTECTIVE EQUIPMENT</b>			<b>A</b>
	EYES			

## 5. FIREFIGHTING MEASURES

5.1 Flashpoint & Method:	<b>384 °F</b>			
5.2 Autoignition Temperature:	<b>NA</b>			
5.3 Flammability Limits:	Lower Explosive Limit (LEL):	<b>NA</b>	Upper Explosive Limit (UEL):	<b>NA</b>
5.4 Fire & Explosion Hazards:	<b>This product is non-flammable.</b>			
5.5 Extinguishing Methods:	<b>Water, Foam, CO<sub>2</sub> or Dry Chemical, as authorized.</b>			
5.6 Firefighting Procedures:	<b>This product is not flammable. If involved in a fire, emergency responders should wear eye protection and SCBAs and other protective equipment. If possible, prevent runoff water from entering storm drains, waterways or environmentally-sensitive areas. Wash contaminated clothing and equipment with warm water and soap, followed by rinse before returning to service.</b>			



## 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 (3.785 liters)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). 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 (3.785 liters), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). 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

7.1 Work & Hygiene Practices:	<b>Follow normal hygiene practices. Do not eat, drink or smoke while handling product. Appropriate personal protective equipment should be worn when working with large quantities (&gt; 1 gallon (3.785 liters)) of this material.</b>
7.2 Storage & Handling:	<b>Use and store in a cool, dry location. Keep away from excessive heat and direct sunlight. Keep away from incompatible materials listed in Section 10. Do not store in damaged or unmarked containers or storage devices. Keep containers closed when not in use.</b>
7.3 Special Precautions:	<b>Spilled material may present a slipping hazard if left unattended. Clean all spills promptly.</b>



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## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1	Ventilation & Engineering Controls: <b>None required under normal conditions of use.</b>
8.2	Respiratory Protection: <b>None required.</b>
8.3	Eye Protection: <b>None required under normal conditions of use. When handling large quantities (e.g., <math>\geq 1</math> gallon (3.785 liters)), safety glasses with side shields should be used.</b>
8.4	Hand Protection: <b>None required under normal conditions of use. When handling large quantities (e.g., <math>\geq 1</math> gallon (3.785 liters)), wear rubber or impervious plastic gloves.</b>
8.5	Body Protection: <b>No apron required when handling small quantities. When handling large quantities (e.g., <math>\geq 1</math> gallon (3.785 liters)), 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.</b>

## 9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	0.949 - 0.970
9.2	Boiling Point:	105 - 108 °C (221 - 226 °F)
9.3	Melting Point:	NA
9.4	Evaporation Rate:	NA
9.5	Vapor Pressure:	< 0.01 mm Hg @ 20 °C (68 °F)
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	White lotion/cream
9.8	Odor Threshold:	Fatty odor
9.9	Solubility:	Miscible in water
9.10	Ph	4.5 +/- 5%
9.11	Viscosity:	NA
9.12	Other Information:	Vapor Density: > 1.0

## 10. STABILITY & REACTIVITY

10.1	Stability: <b>Stable under ambient conditions.</b>
10.2	Hazardous Decomposition Products: <b>Oxides of carbon and nitrogen.</b>
10.3	Hazardous Polymerization: <b>Will not occur.</b>
10.4	Conditions to Avoid: <b>Exposure or contact with extreme temperatures or incompatible materials.</b>
10.5	Incompatible Substances: <b>Strong oxidizers.</b>



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## 11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data: <b>This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.</b>
11.2	Acute Toxicity: <b>See section 2.5</b>
11.3	Chronic Toxicity: <b>See section 2.6</b>
11.4	Suspected Carcinogen: <b>No</b>
11.5	Reproductive Toxicity: <b>This product is not reported to produce reproductive toxicity in humans.</b>
	Mutagenicity: <b>This product is not reported to produce mutagenic effects in humans.</b>
	Embryotoxicity: <b>This product is not reported to produce embryotoxic effects in humans.</b>
	Teratogenicity: <b>This product is not reported to produce teratogenic effects in humans.</b>
	Reproductive Toxicity: <b>This product is not reported to produce reproductive effects in humans.</b>
11.6	Irritancy of Product: <b>See section 2.3</b>
11.7	Biological Exposure Indices: <b>NE</b>
11.8	Physician Recommendations: <b>Treat symptomatically.</b>

## 12. ECOLOGICAL INFORMATION

12.1	Environmental Stability: <b>This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.</b>
12.2	Effects on Plants & Animals: <b>There is no specific data available for this product.</b>
12.3	Effects on Aquatic Life: <b>There is no specific data available for this product.</b>

## 13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal: <b>Dispose of in accordance with Federal, state and local regulations.</b>
13.2	Special Considerations: <b>NA</b>

## 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, SCT, ADGR and the CTDGR.

14.1	49 CFR (GND): <b>NOT REGULATED</b>	
14.2	IATA (AIR): <b>NOT REGULATED</b>	
14.3	IMDG (OCN): <b>NOT REGULATED</b>	
14.4	TDGR (Canadian GND): <b>NOT REGULATED</b>	
14.5	ADR/RID (EU): <b>NOT REGULATED</b>	
14.6	SCT (MEXICO): <b>NOT REGULATED</b>	
14.7	ADGR (AUS): <b>NOT REGULATED</b>	



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## 15. REGULATORY INFORMATION

15.1	U.S. EPA SARA Title III Reporting Requirements: <b>NA</b>
15.2	U.S. EPA SARA Title III Threshold Planning Quantity (TPO): <b>NA</b>
15.3	U.S. TSCA Inventory Status: <b>All chemical substances of this product are listed on the TSCA inventory or are otherwise exempted from inventory status.</b>
15.4	U.S. CERCLA Reportable Quantity (RQ): <b>There are no Reportable Quantities for any of the components of this product.</b>
15.5	Other U.S. Federal Requirements: <b>This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G, (Cosmetics).</b>
15.6	Other Canadian Regulations: <b>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.</b>
15.7	U.S. State Regulatory Information: <b>No components of this product are listed on the California Proposition 65 lists.</b>
15.8	67/548/EEC (European Union) Requirements: <b>The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC.</b>

## 16. OTHER INFORMATION

16.1	Other Information: <b>NA</b>
16.2	Terms & Definitions: <b>Please see last page of this MSDS.</b>
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 & CAIG Laboratories, Inc., Inc.'s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed 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.
16.4	Prepared for: <b>CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 +1 (800) CAIG-123 (244-4123) phone +1 (858) 486-8398 fax <a href="http://www.caig.com/">http://www.caig.com/</a></b>
16.5	Prepared by: <b>ShipMate, Inc. P.O. Box 787 Sisters, OR. 97759-0787 +1 (310) 370-3600 phone +1 (310)370-5700 fax <a href="http://www.shipmate.com/">http://www.shipmate.com/</a></b>





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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
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### 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.
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### HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

#### HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

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

HEALTH	2	2
FLAMMABILITY	1	1
PHYSICAL HAZARDS	0	0
PERSONAL PROTECTION		

### PERSONAL PROTECTION RATINGS:

<b>A</b>		<b>G</b>						
<b>B</b>			<b>H</b>					
<b>C</b>				<b>I</b>				
<b>D</b>				<b>J</b>				
<b>E</b>				<b>K</b>				
<b>F</b>				<b>X</b>	Consult your supervisor or S.O.P. for special handling directions.			

	Safety Glasses		Face Shield & Eye Protection		Gloves
	Boots		Synthetic Apron		Full Suit
	Vapor Respirator		Dust & Vapor Respirator		Full Face Respirator
	Dust Respirator		Airline Hood/Mask or SCBA		

Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

### OTHER STANDARD ABBREVIATIONS:

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

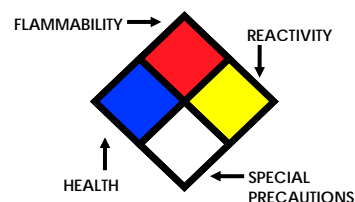
### NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

#### FLAMMABILITY LIMITS IN AIR:

<b>Autoignition Temperature</b>	Minimum temperature required to initiate combustion in air with no other source of ignition
<b>LEL</b>	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
<b>UEL</b>	Upper Explosive Limit - highest percent of vapor in air, 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	Alkaline
COR	Corrosive
W	Use No Water
OX	Oxidizer



### TOXICOLOGICAL INFORMATION:

LD <sub>50</sub>	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC <sub>50</sub>	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD <sub>10</sub>	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD <sub>10</sub> , LD <sub>10</sub> , & LD <sub>0</sub> or TC, TC <sub>0</sub> , LC <sub>10</sub> , & LC <sub>0</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
TL <sub>m</sub>	Median threshold limit
log K <sub>ow</sub> or log K <sub>oc</sub>	Coefficient of Oil/Water Distribution

### REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)

### EC INFORMATION:

C	E	F	N	O	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful