



# MATERIAL SAFETY DATA SHEET

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Prepared according to 29CFR 1910.1200, Regulation (EC) No. 1272/2008 (GHS) and Canadian Controlled Products Act (CPR)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b>	<i>Itch Relief Stick, Itch Relief Spray</i>	<b>HMIS Hazard Rating</b>	
<b>MSDS Date:</b>	<i>October 26, 2011</i>	HEALTH	1
<b>MSDS Revision No.:</b>	<i>New</i>	FLAMMABILITY	3
<b>USE:</b>	<i>Insect bites, minor burns, sunburn and rashes</i>	REACTIVITY	0
		PERSONAL PROTECTION	X
<b>MANUFACTURER:</b>	<i>Tender Corporation</i>		
<b>ADDRESS:</b>	<i>106 Burndy Road Littleton, NH 03561</i>		
<b>INFORMATION CALLS:</b>	<i>800-258-4696</i>		
<b>FAX PHONE:</b>	<i>603-444-6735</i>		
<b>EMERGENCY PHONE:</b>	<i>Spills: Veolia (800) 354-2382 Medical: Poison Control Center Information: (800) 258-4696</i>		

### SECTION 2: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** *Clear to slightly yellow, Flammable, Water soluble, Liquid*

**HAZARD CLASSIFICATION:** *Flammable*  
**GHS Label elements, including precautionary statements**  
*Pictogram*



**Signal word:** **DANGER** **WARNING**

**Hazard statement(s)**

<i>H225</i>	<i>Highly flammable liquid and vapour.</i>
<i>H302</i>	<i>Harmful if swallowed</i>
<i>H315</i>	<i>Causes skin irritation</i>
<i>H319</i>	<i>Causes serious eye irritation</i>
<i>H335</i>	<i>Irritating to respiratory system</i>

**Precautionary statement(s)**

<i>P210</i>	<i>Keep away from heat/sparks/open flames/hot surfaces –No smoking</i>
<i>P102</i>	<i>Keep out of the reach of children</i>
<i>P233+234+235</i>	<i>Keep container tightly closed. Keep in original container. Keep cool.</i>
<i>P403</i>	<i>Store in a well-ventilated place</i>
<i>P243</i>	<i>Take precautionary measures against static discharge.</i>
<i>P305+P351+P338</i>	<i>IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</i>
<i>P301+330+331+315</i>	<i>IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Get immediate medical advice/attention.</i>

**ROUTES OF EXPOSURE:** *Dermal, oral*

### POTENTIAL HEALTH EFFECTS

<b>INHALATION:</b>	<i>May cause irritation to lungs</i>
<b>SKIN CONTACT:</b>	<i>Do not use over cuts, wounds or irritated skin except as instructed on label Pre-existing skin disorders may be aggravated by exposure</i>
<b>EYE CONTACT:</b>	<i>Prolonged contact may cause irritation, with redness, pain, tearing, blurred vision and conjunctivitis.</i>
<b>INGESTION:</b>	<i>May be harmful if swallowed.</i>



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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Conc.( %)	CAS NO.	EC NO.	Classification
Diphenhydramine HCl	1.8 to 2.2	147-24-0	205-687-2	WHMIS D1B-Toxic EU-Xn;R22
Zinc acetate, dihydrate	0.09 to 0.11	5970-45-6	209-170-2	WHMIS D2B-Toxic EU-Xn;R22/36
Ethyl alcohol or Ethanol	70 to 75	64-17-5	200-578-6	WHMIS Class B2 flammable liquid –Toxic D2B EU-F;R11
Water	8 to 12	7732-18-5	231-791-2	None
Povidone	8 to 12	9003-39-8	none	None
Glycerin	3 to 5	56-81-5	200-289-5	None
Tromethamine	0.1 to 0.5	77-86-1	201-064-4	WHMIS D2B-Toxic EU-Xi;R236/37/38

See Section 8 – “EXPOSURE CONTROLS/PERSONAL PROTECTION” for exposure guidelines

### SECTION 4: FIRST AID MEASURES

- INHALATION:** Move victim to fresh air. Apply artificial respiration if indicated. Contact a physician if warranted.
- CONTACT WITH SKIN:** Take off contaminated clothing. Immediately wash gently and thoroughly with luke warm, gently flowing water and non-abrasive soap for 15-20 mins. If skin irritation or rash occurs, see a doctor. Thoroughly clean clothing before reuse or dispose of safely.
- CONTACT WITH EYES:** Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay flushing or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. If irritation or pain persists, see a doctor.
- INGESTION:** Have victim rinse mouth with water. NEVER give anything by mouth if the victim is rapidly losing consciousness, or is unconscious or convulsing. DO NOT INDUCE VOMITING. Contact a physician if warranted.

### SECTION 5: FIRE-FIGHTING MEASURES

**FIRE AND EXPLOSIVE PROPERTIES:** Flammable - This product is flammable or explosive

**Flash Point:** <20° C (<70° F) **Flammable Limits:** lower 3.3% upper 19%

**EXTINGUISHING MEDIA:** Water spray  
Carbon dioxide  
Dry Chemical or foam

**SPECIFIC HAZARDS:** In case of fire, hazardous combustion gases may be formed:  
Hydrogen chloride (HCl)  
Carbon monoxide (CO)  
Carbon Dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

**PROTECT EQUIPMENT FOR FIREFIGHTERS:** Use self-contained breathing apparatus and full protective clothing

**FURTHER INFORMATION:** Fire residues and contaminated firefighting water must be disposed of in accordance with local regulations

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** For Large Spills; isolate the hazard area. Keep out unnecessary and unprotected personnel. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Use the Personal Protective Equipment recommended in Section 8 of this MSDS. Review Section 7 (Handling) of this MSDS before proceeding with cleanup.

**ENVIRONMENTAL PRECAUTIONS:** Do not contaminate water by disposal of wastes

#### METHOD FOR CONTAINMENT AND CLEAN-UP:

Prevent product from entering drains and ventilation systems. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered labeled containers for disposal.

Large Spills: Dike spill product to prevent runoff. Recover contaminated water for appropriate disposal.

Report spills to local health, safety and environmental authorities, as required.



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#### SECTION 7: HANDLING AND STORAGE

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**HANDLING:** *Read entire label before using. Use strictly in accordance with label precautionary statements and directions.*

**STORAGE:** *Do not contaminate food or feed.  
Keep product in its original container.  
Keep container tightly closed.  
Store this product in a cool, dry place away from heat or direct sunlight.  
Protect from freezing.*

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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** *General ventilation is usually adequate. When handling large quantities of concentrated product; Use local exhaust ventilation, if necessary.*

**PERSONAL PROTECTIVE EQUIPMENT (PPE):** *None required.*

#### EXPOSURE GUIDELINES:

INGREDIENT:	CAS NO.	%	ACGIH TLV-TWA	Exposure Limits ACGIH TLV-STEL	OSHA PEL-TWA
<i>Ethyl alcohol or Ethanol</i>	<i>64-17-5</i>	<i>&lt;75%</i>	<i>1000 ppm</i>		

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#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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**APPEARANCE:** *Clear liquid*

**ODOR:** *Alcohol odor*

**pH:** *7.0*

**BOILING POINT:** *greater than 80°C*

**MELTING POINT:** *Not determined*

**RELATIVE DENSITY (H<sub>2</sub>O = 1) @25°C:** *0.88 gm/ml*

**VAPOR PRESSURE (mmHg) @ 25°C:** *less than 44*

**VAPOR DENSITY (AIR = 1):** *less than 1.5*

**FLASH POINT:** *greater than 16°C*

**SOLUBILITY IN WATER:** *Soluble*

**SOLUBILITY IN SOLVENTS:** *Soluble in alcohol*

**VISCOSITY:** *Not determined*

**VOLATILE ORGANIC COMPOUNDS (VOC):** *less than 75%*

**PARTITION COEFFICIENT:** *-0.32*



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#### SECTION 10: STABILITY AND REACTIVITY

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	Flame, sources of ignition, Heat, Strong oxidizers, strong inorganic acids
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>	Strong oxidizers, strong inorganic acids, Ammonia
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	Hydrogen chloride, Carbon dioxide, Carbon monoxide, Nitrogen oxides
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur

#### SECTION 11: TOXICOLOGICAL INFORMATION

*The preparation has not been tested for all toxicological effects; some are classified on the basis of the known hazards of the components.*

<b>Acute oral toxicity:</b>	<b>LD50</b> – 6200 mg/kg bw (rat) <b>Method:</b> unknown <b>Source:</b> IUCLID Datasheet ID: 64-17-5, 18-Feb-2000
<b>Acute inhalation toxicity:</b>	<b>LC50</b> – 5.9 mg/l (rat-6hrs) <b>Method:</b> unknown <b>Source:</b> IUCLID Datasheet ID: 64-17-5, 18-Feb-2000
<b>Acute dermal toxicity:</b>	<b>LDLo</b> – 2000 mg/kg bw (rabbit) <b>Method:</b> unknown <b>Source:</b> IUCLID Datasheet ID: 64-17-5, 18-Feb-2000
<b>Irritant effect on skin:</b>	Non-irritating (rabbit) <b>Method:</b> OECD Guide-Line 404 <b>Source:</b> IUCLID Datasheet ID: 64-17-5, 18-Feb-2000
<b>Irritant effect on eyes:</b>	Moderately irritating (rabbit) <b>Method:</b> OECD Guide-Line 405 <b>Source:</b> IUCLID Datasheet ID: 64-17-5, 18-Feb-2000
<b>Sensitization:</b>	Not sensitizing (guinea pig) <b>Method:</b> unknown <b>Source:</b> IUCLID Datasheet ID: 64-17-5, 18-Feb-2000
<b>Mutagenicity:</b>	Not determined <b>Method:</b> <b>Source:</b>
<b>Carcinogenicity/Reproductive toxicity:</b>	Not determined; None of the components present in this material at concentrations of 0.1% or greater are listed by IARC, NTP, OSHA or ACGIH as being carcinogens. <b>Source:</b> Safety Data Sheets of components
<b>Specific Target Organ Toxicity</b>	<b>Single exposure (GHS)</b> – no data available <b>Repeated exposure (GHS)</b> – no data available
<b>Signs and Symptoms of Exposure</b>	irritation, dryness and cracking of skin, may cause headaches and irritation to throat

#### POTENTIAL HEALTH EFFECTS

<b>INHALATION:</b>	May cause irritation to lungs
<b>SKIN CONTACT:</b>	Do not use over cuts, wounds or irritated skin except as instructed on label. Pre-existing skin disorders may be aggravated by exposure
<b>EYE CONTACT:</b>	Prolonged contact may cause irritation, with redness, pain, tearing, blurred vision and conjunctivitis.
<b>INGESTION:</b>	May be harmful if swallowed.
<b>TARGET ORGANS:</b>	Respiratory system



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### SECTION 12: ECOLOGICAL INFORMATION

**General Comments:** *Ecotoxicological data have not been determined specifically for this product, but it is classified on the basis of the known hazards of the components. This section is not required by WHMIS.*

**Mobility** *The product is alcohol-based and expected to be mobile in the aquatic environment.*

**Biodegradability** *Ethanol is expected to be biodegradable Source: Ethanol Manufacturers SDS*

**Bioaccumulation** *Ethanol is not expected to bioaccumulate in the environment.*

**Toxicity** *Ethanol is not classified as harmful or toxic to aquatic life. LC50 Rainbow Trout >10,000mg/L (96hr), Flathead minnow LC50 15,300 mg/L (96hr) Source: Ethanol Manufacturers SDS and IUCLID Datasheet*

### SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** *Do not reuse any empty containers.*

**US:** *This product is a hazardous liquid waste (D001) as defined in Resource Conservation Recovery Act Regulations (40 CFR 261) and should be disposed of according to local, state and Federal regulations. Dispose of empty containers by wrapping and discarding in trash.*

**International:** *This product should not be disposed of via the drains or by landfill. Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste, and their disposal may be regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities or approved waste disposal companies who will advise you on how to dispose of special waste.*

*General EU requirements are given in the Waste Framework Directive (75/442/EEC) and the Hazardous Waste Directive (91/689/EEC). Packaging may contain residues of the product and should be treated accordingly.*

### SECTION 14: TRANSPORT INFORMATION

**SHIPPING INFORMATION:**

Regulation	UN No.	Proper Shipping Name	Marine Pollutant: No Class	Package Group	Additional Information
U.S. Department of Transportation (DOT) – NonBulk	N/A	Consumer Commodity	ORM-D	N/A	
U.S. Department of Transportation (DOT) – Bulk	1170	Flammable Liquid	3	II	<i>n.o.s. Ethanol solution</i>
Canadian Transportation of Dangerous Goods(TDG)	N/A	Consumer Commodity	ORM-D	N/A	
International Maritime Dangerous Goods (IMDG)	-	-	-	-	<i>Not regulated</i>
International Air Transport Assoc. (IATA)	N/A	Consumer Commodity	ORM-D	N/A	

The transportation regulations are cited according to international regulations and in the form applicable to the United States and Canada. Possible national deviations in other countries are not considered.

### SECTION 15: REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS:**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** *All components of this product are listed or exempt on the TSCA list*

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** *None*

**CERCLA HAZARDOUS SUBSTANCE:** *None*

**CERCLA REPORTABLE QUANTITY:** *None*

**RCRA 261 (RESOURCE CONSERVATION RECOVERY ACT):** *This product is defined as a hazardous waste (D001).*

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

**Section 302 Extremely Hazardous Substances (TPQ):** *None*

**311/312 HAZARD CLASS:** *None*

**313 REPORTABLE INGREDIENTS:** *None*

**U.S. STATE REGULATIONS:**

**California Proposition 65 Warning:** *Ethyl alcohol or Ethanol (64-17-5) when in alcoholic beverages*

**States Right to Know:** *Ethyl alcohol (64-17-5) Pennsylvania, Rhode Island, Florida, Massachusetts, New Jersey, Tennessee, California*





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**CANADIAN REGULATIONS:**

**WHMIS CLASSIFICATION:** B2 Flammable Liquid  D2B Toxic   
*This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.*  
**DOMESTIC SUBSTANCE LIST (DSL)/NON-DOMESTIC SUBSTANCE LIST (NDSL):** All components are listed or exempt  
 Canadian Ingredient Disclosure List: *Ethyl alcohol or Ethanol(64-17-5), Zinc acetate (557-34-6), Tromethamine or Tris(hydroxymethyl)aminomethane(77-86-1)*

**EU REGULATIONS:**

Labeling in accordance with EC-Directives

Hazard symbols



Flammable



Irritant

Hazardous component(s) to be indicated on label – *Ethyl alcohol or Ethanol (64-17-5)*

- |                  |          |   |
|------------------|----------|---|
| <b>R phrases</b> | 22       | <i>Harmful if swallowed</i>   |
|                  | 36/37/38 | <i>Irritating to eyes, respiratory system and skin</i>  |
| <b>S phrases</b> | 2        | <i>Keep out of the reach of children</i>  |
|                  | 7        | <i>Keep container tightly closed</i>  |
|                  | 16       | <i>Keep away from sources of ignition – No smoking</i>  |
|                  | 26       | <i>In case of contact with eyes, rinse immediately with plenty of water and seek medical advice</i> |
|                  | 49       | <i>Keep only in the original container</i>  |

**SECTION 16: OTHER INFORMATION**

<b>HMIS</b>		
<b>Health:</b> 1	<b>Flammability:</b> 3	<b>Reactivity:</b> 0
<b>Special:</b> Flammable Liquid		

*4=extreme 3=High 2=Moderate 1=Slight 0=Insignificant*

**REVISED SECTIONS OR REASON FOR REVISION:**

ORIGIN DATE: OCTOBER 26, 2011

**DISCLAIMER:** *The information provided herein was believed to be accurate, to the best knowledge of Tender Corporation, at the time of preparation from a compilation of sources believed to be reliable and is furnished without warranty, expressed or implied. It is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling, storage and use of this product and to determine the suitability of the product for its intended use. This data sheet relates only to the specific product listed and does not relate to use in combination or in any process with other materials*