

MATERIAL SAFETY DATA SHEET

Itch Relief Spray	MSDS No.:	012
	Revision No.:	4
	Issue Date:	01/15/2008
	Exp. Date:	01/2011

PRODUCT AND COMPANY INFORMATION – SECTION 1	
Manufacturer/Distributor	Water-Jel Technologies
	50 Broad Street
	Carlstadt, NJ 07072
	201-507-8300
	800-275-3433
Product Name:	Itch Relief Spray
Synonyms:	Itch Spray, Diphenhydramine Hydrochloride Spray
Intended Use:	For the temporary relief of pain and itch associated with insect bites and rashes due to poison ivy, oak and sumac. For external use only.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT:
In the continental U.S.: 800-275-3433 For additional information: 201-507-8300

COMPOSITION INFORMATION – SECTION 2	
In accordance with 29 CFR § 1910.1200 (i) (1) the specific chemical identity of this product is being withheld as a trade secret.	
Chemical Name:	Diphenhydramine Hydrochloride
Percent:	Proprietary
CAS Number:	147-24-0
Exposure Limits:	None Established

HAZARDS IDENTIFICATION – SECTION 3	
EMERGENCY OVERVIEW & HAZARDS PRESENT TO MAN AND THE ENVIRONMENT	Warning! Harmful if swallowed. May cause eye and skin irritation. May cause cardiac disturbances. May cause respiratory and digestive tract irritation. May cause nervous system effects. Do not use if taking another form of Diphenhydramine Hydrochloride, orally or using topically.
PRIMARY ROUTES OF EXPOSURE	Ingestion, skin exposure
<u>POTENTIAL HEALTH EFFECTS:</u>	
Eyes:	Eye irritation.
Skin:	May cause allergic reaction in small percentage of population especially those sensitive to sulfites.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	Harmful if swallowed. May cause irritation of the digestive tract. May cause hallucinations and distorted perceptions.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:	No information available.

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<i>CHRONIC HEALTH EFFECTS:</i>	
<i>Eyes:</i>	Corneal injury is unlikely.
<i>Skin:</i>	Repeated, long-term contact may cause irritation and/or drying of skin.
<i>Inhalation:</i>	Low vapor pressure makes inhalation hazard unlikely.
<i>Ingestion:</i>	Ingestion may cause convulsions, seizures and possible coma. May cause rapid heartbeat and cardiac arrhythmia.

FIRST AID MEASURES – SECTION 4	
SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.	
<i>FIRST AID MEASURES:</i>	
<i>Eyes:</i>	Wash immediately with clean and gently flowing water. Continue for at least fifteen (15) minutes. Obtain medical attention.
<i>Skin:</i>	If irritation or allergic reaction occurs to skin, get medical aid. Flush skin with plenty of water for at least fifteen (15) minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
<i>Inhalation:</i>	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.
<i>Ingestion:</i>	Never attempt to induce vomiting. Do not attempt to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious. Wash out the mouth with water. If the exposed subject is fully conscious, give plenty of water to drink. Obtain medical attention.
<i>Instructions for Physician:</i>	Medical treatment in cases of overexposure should be treated as an overdose of diphenhydramine. Treat according to locally accepted protocols. For additional guidance, refer to the local poison control information center.

FIRE FIGHTING MEASURES – SECTION 5			
<i>NFPA Classification</i>			
<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Other</u>
1	0	0	N/A
<i>FLAMMABILITY PROPERTIES</i>			
Flash Point:	N/A	Method:	N/A
Flammability Limits: (in air % by volume)		LEL:	N/A
		UEL:	N/A
<u>Autoignition Temperature:</u>			
N/A			

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<p><u>Hazardous Combustion Products:</u></p> <p>Toxic, corrosive or flammable thermal decomposition products are expected when the product is exposed to fire.</p>
<p><u>Extinguishing Media:</u></p> <p>Water, dry powder or foam extinguishers are recommended.</p>
<p><u>Prohibited Extinguishing Media:</u></p> <p>Carbon dioxide extinguishers are recommended.</p>
<p><u>Firefighting Instructions:</u></p> <p>Self-contained breathing apparatus and full protective equipment are recommended for firefighters. If possible, contain and collect fire-fighting water for later disposal.</p>
<p><u>Unusual Fire and Explosion Hazards:</u></p> <p>No information available.</p>

ACCIDENTAL RELEASE MEASURES – SECTION 6	
<p><u>Environmental Precautions:</u></p> <p>For large spills, take precautions to prevent entry into waterways, sewers, or surface drainage systems.</p>	
<p><u>Cleanup Methods:</u></p> <p><u>Small spills:</u> Small spills should be collected and placed in a suitable, properly labeled container for recovery or disposal.</p> <p><u>Large spills:</u> Large spills should be collected with approved absorbent and disposed in an appropriate container.</p>	

HANDLING & STORAGE – SECTION 7	
Handling:	Avoid breaking or crushing spray bottles.
Storage:	Store in a cool, dry space. Store in a tightly closed container.
Specific Uses:	For the temporary relief of pain and itch associated with insect bites and rashes due to poison ivy, oak and sumac. For external use only.

EXPOSURE CONTROLS / PERSONAL PROTECTION – SECTION 8		
<u>EXPOSURE CONTROLS:</u>		
<u>Exposure Limits Values:</u>		
	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Diphenhydramine Hydrochloride	Not Established	Not Established
<u>Engineering Controls:</u>		

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Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

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<u>PERSONAL PROTECTIVE EQUIPMENT:</u>
<u>Respiratory Protection:</u>
Use a NIOSH approved respirator when necessary.
<u>Hand Protection:</u>
Wear appropriate protective gloves to prevent skin exposure.
<u>Eye/Face Protection:</u>
Wear appropriate protective eyeglasses or chemical safety goggles.
<u>Skin Protection:</u>
Wear appropriate protective clothing to prevent skin exposure.
<u>General Hygiene Considerations:</u>
No information available.
<u>Other Protective Equipment:</u>
No information available.

PHYSICAL & CHEMICAL PROPERTIES – SECTION 9	
PRODUCT:	Itch Relief Spray
General Information:	
Appearance	Clear, water-like solution
Odor	No odor
Important Health, Safety, and Environmental Information:	
Boiling Point	212°F
Melting Point	N/A
Flash Point	N/A
Explosive Properties	N/A
Oxidizing Properties	N/A
Specific Gravity ($H_2O = 1$)	0.97 @ 25°C
Water Solubility	N/A
Partition Coefficient (<i>n</i> -octanol/water)	N/A
Viscosity	No information available.
Vapor Pressure (<i>mm Hg</i>)	N/A
Vapor Density (<i>Air = 1</i>)	N/A
Evaporation Rate	N/A

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% Volatile (By Volume @ 68°F)	N/A
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STABILITY & REACTIVITY – SECTION 10
<u>Stability:</u> This material is stable under normal conditions.
<u>Conditions to avoid:</u> Incompatible materials.
<u>Materials to avoid:</u> Oxidizing agents.
<u>Hazardous Decomposition Products:</u> Hydrogen chloride, nitrogen oxides, carbon monoxide, carbon dioxide.
<u>Hazardous Polymerization:</u> Will not occur.

TOXICOLOGICAL INFORMATION – SECTION 11				
<u>Type of Test</u>	<u>Route of Exposure</u>	<u>Effects</u>	<u>Species Observed</u>	<u>Dose Data</u>
LD ₅₀ : (Diphenhydramine Hydrochloride)	Oral	Death	Rodent, rat	500 mg/kg

ECOLOGICAL INFORMATION – SECTION 12
<u>Ecotoxicity:</u> No information available.
<u>Mobility:</u> No information available.
<u>Persistence and Degradability:</u> No information available.
<u>Bio accumulative Potential:</u> No information available.

DISPOSAL CONSIDERATION – SECTION 13
Dispose of in accordance with Local, State, and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to “40 CFR Protection of Environment Parts 260 – 299” for complete waste disposal regulations. Consult your Local, State, or Federal Environmental Protection Agency.

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TRANSPORT INFORMATION – SECTION 14	
<u>DOT CLASSIFICATION:</u>	
UN Number:	Not Regulated for Domestic Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	
<u>IATA CLASSIFICATION:</u>	
Un Number:	Not Regulated for International Air Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	
<u>IMDG CLASSIFICATION:</u>	
Un Number:	Not Regulated for International Water Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

REGULATORY INFORMATION – SECTION 15	
<u>US REGULATIONS</u>	
ACGIH	Not Established
CAA Section 112	Not Listed
CERCLA	Not Listed
IARC	Not Listed
NTP	Not Listed
OSHA	Not Established
SARA Title III	Not Listed
TSCA	Not Listed
<u>STATE REGULATIONS</u>	
MA substance List	Not Listed
NJ RTK Hazardous Substance List	Not Listed
PA Hazardous Substance List	Not Listed
Canadian WHMIS	Not Listed

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To the best of our knowledge, the information contained herein is accurate. However, neither Water-Jel Technologies, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.