

# MATERIAL SAFETY DATA SHEET

<b>Hydrocortisone Cream 1%</b>	MSDS No.:	009
	Revision No.:	4
	Issue Date:	01/15/2008
	Exp. Date:	01/2011

PRODUCT AND COMPANY INFORMATION – SECTION 1	
<b>Manufacturer/Distributor</b>	Water-Jel Technologies
	50 Broad Street
	Carlstadt, NJ 07072
	201-507-8300
	800-275-3433
<b>Product Name:</b>	<b>Hydrocortisone Cream 1%</b>
<b>Synonyms:</b>	Topical Cream, Skin Cream
<b>Intended Use:</b>	Temporary relief of itching associated with minor skin irritation and rashes. For external use only. Not for use on children under 2 years old.

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.		
<b>Chemical Name:</b>	Cetyl Alcohol	
<b>Percent:</b>	Proprietary	
<b>CAS Number:</b>	36653-82-4	
<b>Exposure Limits:</b>	None Established	
<b>Chemical Name:</b>	Germaben II	
<b>Percent:</b>	Proprietary	
<b>CAS Number:</b>	No information available.	
<b>Exposure Limits:</b>	None Established	
<b>Chemical Name:</b>	Glycerin	
<b>Percent:</b>	Proprietary	
<b>CAS Number:</b>	56-81-5	
<b>Exposure Limits:</b>	<b>ACGIH TWA (Glycerin Mist):</b>	<b>OSHA PEL (Glycerin Mist):</b>
	<b>Total Dust:</b> 15 mg/m <sup>3</sup>	<b>Total Dust:</b> 10 mg/m <sup>3</sup>
	<b>Respirable Fraction:</b> 5 mg/m <sup>3</sup>	<b>Respirable Fraction:</b> 5 mg/m <sup>3</sup>
<b>Chemical Name:</b>	Glyceryl Stearate (Glyceryl Monostearate)	
<b>Percent:</b>	Proprietary	
<b>CAS Number:</b>	31566-31-3	
<b>Exposure Limits:</b>	<b>TWA (Stearates):</b>  10 mg/m <sup>3</sup>	

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<b>Chemical Name:</b>	Hydrocortisone Acetate
<b>Percent:</b>	Proprietary
<b>CAS Number:</b>	50-03-3
<b>Exposure Limits:</b>	None Established
<b>Chemical Name:</b>	White Mineral Oil
<b>Percent:</b>	Proprietary
<b>CAS Number:</b>	8042-47-5
<b>Exposure Limits:</b>	None Established
<b>Chemical Name:</b>	Peg 100
<b>Percent:</b>	Proprietary
<b>CAS Number:</b>	25322-68-3
<b>Exposure Limits:</b>	None Established
<b>Chemical Name:</b>	Stearic Acid
<b>Percent:</b>	Proprietary
<b>CAS Number:</b>	57-11-4
<b>Exposure Limits:</b>	None Established

## HAZARDS IDENTIFICATION – SECTION 3

<b>EMERGENCY OVERVIEW &amp; HAZARDS PRESENT TO MAN AND THE ENVIRONMENT</b>	May cause irritation to eyes and may cause irritation of the digestive tract when ingested.
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<b>PRIMARY ROUTES OF EXPOSURE</b>	Eye contact, Ingestion
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### POTENTIAL HEALTH EFFECTS:

<b>Eyes:</b>	May cause irritation, characterized by a burning sensation, redness, tearing, inflammation, dryness, and possible other effects.
<b>Skin:</b>	No adverse conditions expected.
<b>Inhalation:</b>	Unlikely route of exposure.
<b>Ingestion:</b>	May cause irritation of the digestive tract.
<b>MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:</b>	No information available.

### CHRONIC HEALTH EFFECTS:

<b>Eyes:</b>	Flush eyes with clear running water for a minimum of fifteen (15) minutes while holding eyelids open; if irritation persists, seek medical attention.
<b>Skin:</b>	No adverse conditions expected.
<b>Inhalation:</b>	Unlikely route of exposure.
<b>Ingestion:</b>	Rinse out mouth and drink lots of water. In case of unusual symptoms, seek medical attention and show physician the container details.

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<b>FIRST AID MEASURES – SECTION 4</b>	
<b>SEEK MEDICAL ATTENTION FOR ALL CASES OF OVEREXPOSURE.</b>	
<b><u>FIRST AID MEASURES:</u></b>	
<b>Eyes:</b>	Flush immediately with large amounts of water. If redness or irritation persists, contact a physician.
<b>Skin:</b>	No adverse conditions expected.
<b>Inhalation:</b>	Unlikely route of exposure.
<b>Ingestion:</b>	Contact a physician immediately.
<b>Instructions for Physician:</b>	Available data does not identify any conditions.

<b>FIRE FIGHTING MEASURES – SECTION 5</b>			
<b>NFPA Classification</b>			
<b>Health</b>	<b>Fire</b>	<b>Reactivity</b>	<b>Other</b>
1	0	0	N/A
<b><u>FLAMMABILITY PROPERTIES</u></b>			
<b>Flash Point:</b>	N/A	<b>Method:</b>	N/A
<b>Flammability Limits:</b> (in air % by volume)	<b>LEL:</b>	N/A	<b>UEL:</b> N/A
<b><u>Autoignition Temperature:</u></b>			
N/A			
<b><u>Hazardous Combustion Products:</u></b>			
Carbon Monoxide, Carbon Dioxide			
<b><u>Extinguishing Media:</u></b>			
Use extinguishing media appropriate for the surrounding fire. Use water spray, foam or dry chemical.			
<b><u>Prohibited Extinguishing Media:</u></b>			
In fires involving large quantities of this product, the use of large streams of water should be avoided.			
<b><u>Firefighting Instructions:</u></b>			
Use self-contained breathing apparatus when fighting fires that involve this material.			
<b><u>Unusual Fire and Explosion Hazards:</u></b>			
Carbon monoxide and carbon dioxide may be generated.			

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### ACCIDENTAL RELEASE MEASURES – SECTION 6

#### Environmental Precautions:

No information available.

#### Cleanup Methods:

Small spills: Spills should be collected with approved inert absorbent for disposal.

Large spills: Spills should be collected with approved absorbent for disposal.

### HANDLING & STORAGE – SECTION 7

#### Handling:

Keep this and other chemicals out of reach of children.

#### Storage:

Do not store or mix with strong acids or oxidizers.

#### Specific Uses:

Temporary relief of itching associated with minor skin irritation and rashes. For external use only. Not for use on children under two (2) years old.

### EXPOSURE CONTROLS / PERSONAL PROTECTION – SECTION 8

#### EXPOSURE CONTROLS:

#### Exposure Limits Values:

	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Stearates (Glyceryl Stearate)	Not Established	10 mg/m <sup>3</sup>
Glycerin Mist (Glycerin)	<u>Total Dust:</u> 15 mg/m <sup>3</sup>	<u>Total Dust:</u> 10 mg/m <sup>3</sup>
	<u>Respirable Fraction:</u> 5 mg/m <sup>3</sup>	<u>Respirable Fraction:</u> 5 mg/m <sup>3</sup>

#### Engineering Controls:

Local Exhaust is recommended.

#### PERSONAL PROTECTIVE EQUIPMENT:

#### Respiratory Protection:

None required under normal conditions.

#### Hand Protection:

None required under normal conditions.

#### Eye/Face Protection:

Eye protection, as necessary to prevent excessive contact.

#### Skin Protection:

None required under normal conditions.

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## General Hygiene Considerations:

Practice safe work habits. Use according to label instructions.

## Other Protective Equipment:

Eye wash stations should be nearby and ready for use.

## PHYSICAL & CHEMICAL PROPERTIES – SECTION 9

<b>PRODUCT:</b>	<b>Hydrocortisone Cream 1%</b>
<b>General Information:</b>	
Appearance	White homogeneous cream
Odor	Slightly fatty odor
<b>Important Health, Safety, and Environmental Information:</b>	
Boiling Point	135°C 275°F
Melting Point	60°C (140°F)
Flash Point	N/A
Explosive Properties	No information available.
Oxidizing Properties	No information available.
Specific Gravity ( $H_2O = 1$ )	0.81
Water Solubility	Miscible
Partition Coefficient ( <i>n</i> -octanol/water)	No information available.
Viscosity	No information available.
Vapor Pressure (mm Hg)	No information available.
Vapor Density (Air = 1)	No information available.
Evaporation Rate	0.07
% Volatile (By Volume @ 68°F)	65

## STABILITY & REACTIVITY – SECTION 10

### Stability:

This material is stable under normal conditions.

### Conditions to avoid:

Extreme heat

### Materials to avoid:

Strong oxidants, Strong Acids

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<b><u>Hazardous Decomposition Products:</u></b>
Carbon Monoxide, Carbon Dioxide
<b><u>Hazardous Polymerization:</u></b>
Will not occur.

<b>TOXICOLOGICAL INFORMATION – SECTION 11</b>				
<b><u>Type of Test</u></b>	<b><u>Route of Exposure</u></b>	<b><u>Effects</u></b>	<b><u>Species Observed</u></b>	<b><u>Dose Data</u></b>
LD <sub>50</sub> – (Cetyl Alcohol)	Oral	Death	Rodent - Rat	5 gm/kg
LD <sub>50</sub> – (Glycerin)	Oral	Death	Rodent - Rat	12600 mg/kg
LD <sub>50</sub> – (Glyceril Stearate)	Intrapentoneal	Death	Rodent - Mouse	200 mg/kg
LD <sub>50</sub> – (Hydrocortisone Acetate)	Subcutaneous	Death	Rodent - Rat	250 mg/kg
LD <sub>50</sub> – (Mineral Oil)	Oral	Death	Rodent - Mouse	22 gm/kg
LD <sub>50</sub> – (Stearic Acid)	Intravenous	Death	Rodent - Rat	21500 ug/kg

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

<b>DISPOSAL CONSIDERATION – SECTION 13</b>
Dispose of in accordance with Local, State, and Federal regulations.

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## TRANSPORT INFORMATION – SECTION 14

### DOT CLASSIFICATION:

UN Number:	Not regulated for Domestic Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

### IATA CLASSIFICATION:

Un Number:	Not Regulated for International Air Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

### IMDG CLASSIFICATION:

Un Number:	Not Regulated for International Water Transport.
Class:	
Proper Shipping Name:	
Packing Group:	
Marine Pollutant:	
Other Information:	

## REGULATORY INFORMATION – SECTION 15

### US REGULATIONS

ACGIH	<u>TWA (Glycerin Mist):</u>
	<u>Total Dust:</u> 15 mg/m <sup>3</sup>
	<u>Respirable Fraction:</u> 5 mg/m <sup>3</sup>
	<u>TWA (Stearates):</u>
	10 mg/m <sup>3</sup>
CAA Section 112	Not Listed
CERCLA	Not Listed
IARC	Not Listed
NTP	Not Listed
OSHA	<u>OSHA PEL (Glycerin Mist):</u>
	<u>Total Dust:</u> 10 mg/m <sup>3</sup>

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	<u>Respirable Fraction:</u> 5 mg/m <sup>3</sup>
SARA Title III	Not Listed
TSCA	Not Listed
<b><u>STATE REGULATIONS</u></b>	
MA substance List	Not Listed
NJ RTK Hazardous Substance List	Not Listed
PA Hazardous Substance List	Not Listed
Canadian WHMIS	Not Listed

*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.*