

## Material Safety Data Sheet

### I. PRODUCT IDENTIFICATION

**COMMON/TRADE NAME:** Hand Sanitizer      **ISSUE DATE:** 06/30/03  
 (Product Identifier)

**Manufacturer:** Water Jel Technologies      **Emergency Phone #**  
 243 Veterans Boulevard      800-275-3433  
 Carlstadt, NJ 07072      201-507-8300  
**MSDS PREPARED BY**  
 Water Jel Technologies

**SUPPLIER:** As above

**PRODUCT USE:** Antiseptic Handwash to decrease bacteria on the skin, recommended for repeated use. For external use only.

### II. INGREDIENTS

NAME	%	LD <sub>50</sub>	LC <sub>50</sub>	CAS NUMBER
<b>HAZARDOUS PER OSHA<sup>1</sup></b>				
Ethyl Alcohol	62	7060 mg/kg	20,000 ppm/10 hrs	64-17-5

<sup>1</sup>HAZARDOUS AS DEFINED BY OSHA HAZARD COMMUNICATION STANDARD IN 29 CFR 1910.1200

LD<sub>50</sub> VALUES ARE GIVEN FOR ORAL RAT EXPOSURE IN MILLIGRAMS PER KILOGRAM OF BODY WEIGHT, AND LC<sub>50</sub> VALUES ARE GIVEN FOR INHALATION BY RATS IN MILLIGRAMS PER CUBIC METER OF AIR FOR 2 HOUR EXPOSURE PERIODS

ALL INGREDIENTS OF THIS PRODUCT ARE LISTED IN THE TSCA INVENTORY

NA MEANS THE DATA WAS NOT APPLICABLE OR NOT AVAILABLE AS APPROPRIATE

<sup>1</sup>ITEMS MARKED WITH AN ASTERISK ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW ACT OF 1986, AS AMENDED (40 CFR 372). THE TABLE BELOW GIVES THE FORM, WHEN APPLICABLE, AND DE MINIMIS CONCENTRATIONS. ITEMS ARE POTENTIALLY REPORTABLE ONLY WHEN PRESENT ABOVE THE DE MINIMIS CONCENTRATION, AND IF MANUFACTURED, PROCESSED OR OTHERWISE USED IN THE INDICATED FORM.

Chemical/Metal (form where applicable)	De Minimis Concentration
None	None

## WATER-JEL TECHNOLOGIES MSDS HAND SANITIZER

### OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL/ELEMENT	ACGIH TLV	OSHA PEL	STEL
NA	NA	NA	NA

---

---

### III PHYSICAL DATA

---

---

PARAMETER	DATA/DESCRIPTION
Physical Form and Appearance	No color added/clear
Boiling Point	170-180 °F
PH	Approx. 6.5
Water Solubility	Mixes with water
Specific Gravity or Density	Approx. 0.9 g/ml
Melting Point/Freezing Point	-173 °F
Vapor Density	Approx. 1.5
Vapor Pressure	Approx. 10mm Hg
Reactivity in Water	Not Reactive

---

---

### IV FIRE AND EXPLOSION DATA

---

---

**FLASH POINT**    **AUTO IGNITION TEMPERATURE**    **FLAMMABILITY LIMITS IN AIR**  
70° F                      Approx. 800 °F                      LEL - 3.0%/UEL - 20.0%

**\*EXTINGUISHING MEDIA:**

Dry powder, "alcohol resistant" foam, blanket or carbon dioxide; water may be ineffective, but water applied as a spray can absorb some of the fire's heat and should be used to keep fire-exposed containers cool.

## WATER-JEL TECHNOLOGIES MSDS HAND SANITIZER

### **SPECIAL FIRE FIGHTING PROCEDURES:**

Do not enter fire area without proper protection. Use water spray to cool fire-exposed surfaces and to protect personnel.

### **UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Respiratory protection required for fire department personnel. Releases of flammable vapor, which are heavier than air and travel a considerable distance may burn and explode.

### **HAZARDOUS DECOMPOSITION MATERIALS (UNDER FIRE CONDITIONS):**

Carbon monoxide and carbon dioxide can form upon combustion.

---

---

## V. REACTIVITY DATA

---

---

### **STABILITY:**

This material is stable under normal handling and storage conditions described in this MSDS

### **INCOMPATIBILITY:**

Strong oxidizing and reducing agents

### **CONDITIONS TO AVOID:**

Sparks, naked flames, source of ignition, and extremes of heat.

### **MATERIALS/CHEMICALS TO BE AVOIDED:**

Contact with acetyl chloride or other oxidizing agents, and reducing agents.

### **HAZARDOUS DECOMPOSITION PRODUCTS:**

None Expected

### **HAZARDOUS POLYMERIZATION:**

Unlikely in the extreme

## WATER-JEL TECHNOLOGIES MSDS HAND SANITIZER

---

---

### VI HEALTH HAZARD INFORMATION

---

---

#### **WARNING STATEMENTS:**

High vapor concentrations can cause narcotic effects (like dizziness and fatigue). Avoid contact of liquid or concentrated vapor in eyes. Avoid inhalation of excessive vapor or aerosol.

#### **SIGNS AND SYMPTOMS OF EXPOSURE:**

##### **INHALATION:**

Acute - Coughing, shortness of breath. May cause central nervous system (CNS) effects such as headache and irritation of the eyes. If continue for more than an hour further CNS effects may appear such as: dizziness, drunkenness, loss of appetite and an inability to concentrate.

##### **INGESTION:**

Acute - Toxic effects similar to those of ingestion of ethanol (beverage alcohol) such as: nausea and vomiting.

##### **SKIN:**

Acute - Drying of skin may occur causing irritation.

##### **EYES:**

Acute - Moderate burning, tearing, and redness

#### **CHRONIC HEALTH EFFECTS:**

Chronic effects may result in irritation of mucous membranes, headache, and/or symptoms of CNS depression such as drowsiness and lack of concentration. Long-term exposure may also produce liver damage.

## WATER-JEL TECHNOLOGIES MSDS HAND SANITIZER

### **MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:**

None identified.

---

---

## VII EMERGENCY MEDICAL INFORMATION

---

---

### **INHALATION:**

Under normal conditions of use as directed by product label, excessive inhalation should not occur. If inhalation should occur, such as from misdirection of spray, remove victim to fresh air, and assure that the victim is still breathing. If breathing is difficult get medical attention. If victim is not breathing, administer CPR (cardio-pulmonary resuscitation). Seek medical attention.

### **INGESTION:**

In case of ingestion, if victim is conscious and able to swallow, have them drink water to dilute. Induce vomit only if advised by medical physician or Poison Control Center.

### **SKIN:**

In case of contact with excessive amounts of product or in cases of contact for other than intended use of product, immediately wash with plenty of soap and water for at least 5 minutes. Remove and wash contaminated clothing.

### **EYES:**

Hold eyelids open and flush with cool, steady, gentle stream of water for at least 15 minutes. Seek immediate medical attention, preferably with an ophthalmologist. If the physician is not immediately available, eye irrigation should be continued for an additional 15 minutes. If it is necessary to transport the patient to a physician and the eye needs to be bandaged, use a dry sterile cloth pad and cover both eyes. Do not permit the victim to rub eyes.

## WATER-JEL TECHNOLOGIES MSDS HAND SANITIZER

### NOTES TO PHYSICIAN:

None

---

---

## VIII PERSONAL PROTECTION EQUIPMENT

---

---

### PROTECTIVE EQUIPMENT

No protective equipment is needed for use of the product as directed by the product label.

### WORK PRACTICE CONTROLS:

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this product:

1) Do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this product is stored or used, 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet, 3) Wash exposed skin promptly to remove accidental splashes or other contact with this product.

---

---

## IX SPILL, LEAK AND DISPOSAL PROCEDURES

---

---

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in an area that is cool (40-75°F), dry, well ventilated and away from foodstuffs or animal feed. Store in tightly closed or properly vented containers. Store away from direct sunlight, heat, sparks or other sources of ignition. Empty containers must be handled with care because of the potential of flammable vapors remaining in the container. Do not store in aluminum containers.

Do not get on skin, excepted as intended and directed by product label, or in eyes.

## **WATER-JEL TECHNOLOGIES MSDS HAND SANITIZER**

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Contain or absorb small spills. Larger spills must be contained to prevent spreading, and absorbed. Residue must be placed in a non-reactive container. Area should be washed well with water. If appropriate, use protective equipment during spill clean-up. Be certain to remove all potential sources of ignition. Use spark-proof clean-up equipment such as plastic shovels. Larger spills may be covered with foam to limit vapor emission. Liquid may be toxic to aquatic life.

### **WASTE DISPOSAL METHOD:**

Consult federal, state and local regulations, and dispose in compliance with these regulations.

EPA Hazardous Waste: Liquid waste is classified as an ignitable waste. Spill residues, including absorbent used to absorb spills may be hazardous waste. Consult with a reliable hazardous waste disposal firm or with local and state authorities.

### **OTHER PRECAUTIONS:**

Keep out of the reach of children. Keep containers tightly closed. Use product for intended use only, following label directions.

---

---

## **X CARCINOGEN INFORMATION**

---

---

### **CHEMICALS IN PRODUCT LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN:**

By National Toxicology Program: **NO**

By I.A.R.C. Monographs: **NO**

By OSHA: **NO**

By Other Sources: **NO**

## WATER-JEL TECHNOLOGIES MSDS HAND SANITIZER

---

---

### XI TRANSPORTATION INFORMATION

---

---

The listed transportation classification is per the regulations of the US Department of Transportation. Any listed information does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

DOT Hazard Class: Flammable liquid (Class 3), or ORM-D if packaging and other requirements of DOT are met.

DOT Proper Shipping Name: Ethyl alcohol, Denatured Alcohol or Consumer Commodity if packaging and other requirements of DOT are met.

Consult 49 CFR or qualified expert for marking, labeling and packaging information if needed.

---

---

### XII REGULATORY INFORMATION

---

---

**SARA TITLE III HAZARD CLASSES:**

Fire hazard: Yes

Reactive hazard: No

Release of pressure: No

Acute health hazard: Yes

Chronic health hazard: Yes

**SARA EXTREMELY HAZARDOUS SUBSTANCES OR CERCLA HAZARDOUS SUBSTANCE: No**

**NOTE:** The information in this MSDS is obtained from sources which we believe are reliable, however, the accuracy or completeness thereof is not guaranteed, and no warranty of any kind is made with respect thereto. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons we assume no liability for the loss and damage incurred from the proper or improper use of such product.

**WATER JEL TECHNOLOGIES**

There are 8 pages in this MSDS.