



# MSDS

Material Safety Data Sheet

November 7, 2007

## **Section 01: Chemical Product Identification**

Domestic Trade Name: Lavasol IV™

Export Trade Name: Lavasol IV™

## **Section 02: Information on Hazardous Ingredients**

Non DOT Regulated Ingredients

## **Section 03: Hazards Identification**

### **Acute Toxicity:**

Oral Toxicity: LD50>4000 mg/kg

Dermal Toxicity: LD50>5000 mg/kg in Rabbits

Inhalation Toxicity: Exposure to Spray Can Cause Irritation to Mucous Membranes and Respiratory System.

Skin Irritation: May Cause Mild Irritation

Sensitizer: No Human Repeat Insult Patch Test; Not a Sensitizer

DOT Corrosive: HMIS = 1

Primary Route of Exposure: Contact

***Medical Conditions Aggravated by Exposure:*** None Known

## **Section 04: First Aid Measures**

First Aid For Ingestion: Do Not Induce Vomiting. Give Large Quantities of Water. Never Give Anything by Mouth to an Unconscious Person. Call a Physician Immediately.

First Aid Inhalation: Remove to Fresh Air.

First Aid Eye Contact: Immediately Flush Eyes with Plenty of Water For At Least 30 Minutes.

First Aid Skin Contact: Wash After Exposure With Cold Water For At Least 15 Minutes.

## **Section 05: Fire Fighting Measures**

Autoignition Temp: N/A

Flammable Limits: LEL (Lower Explosive Limits) 25,000 mg/M<sup>3</sup>

Fire Fighting Media: Use Media Appropriate to Primary Cause of Fire

Special Fire Fighting Procedures: None Known

Fire/Explosion Hazards: None

NFPA Hazard Codes - Health/Flammability/Reactivity; 1,0,0

HMIS Hazard Codes - Health/Flammability/Reactivity; 1,0,0

## **Section 06: Accidental Release Measures**

Spill/Leak Clean-Up Procedures:

***Land Spill:*** Wearing recommended protective clothing and equipment, dike spill with soil, sand, or compatible commercial absorbent. Remove remaining liquid with a pump, vacuum truck, or absorb liquid in sand or commercial absorbent. Place waste in approved containers for disposal. Dispose waste according to Federal, State, and local regulations.

**Water Spill:** Wear protective clothing and equipment. Stop flow. Dike contaminated water and remove for disposal and/or treatment. Notify proper authorities and all downstream users if possible. Dispose of with Solid Waste according to Federal, State, and Local Regulations.

**\*CAUTION: Floor will be Slippery\***

***Personal protection:***

Protective clothing including chemical splash goggles, Latex, nitrile, or buytl rubber full-length gloves, rubber apron made of nitrile or buytl rubber, and rubber overshoes must be worn during spill clean-ups and deactivation of material. If this material comes into contact with the skin during clean-up operations, immediately remove all contaminated clothing and wash exposed skin areas with soap and water. See section 4, First Aid Measures, for further information.

**Section 07: Handling and Storage**

Precautionary Measures: Avoid Breathing Spray

Disposal Method: Dispose of with Liquid Waste According to Federal, State and Local Regulations

RCRA Class: Not Regulated

**Section 08: Exposure Control/Personal Protection**

Ventilation: Use with Normal Adequate Ventilation

Respiratory Protection: None Required

Eye Protection: Safety Glasses

Skin Protection: Use OSHA Approved Neoprene Gloves, Boots, and Apron

Personal Hygiene: Observe Ordinary Measures of Personal Hygiene

**Section 09: Physical and Chemical Properties**

Boiling Point: 100 °C

Melting/Freezing Point: Approximately 0 °C

Appearance: Clear Liquid

Density: Approximately 9 lbs./gallon

Specific Gravity: 1.0 – 1.2 g/ml

Percentage Volatile: 65% Water - Max

Evaporation Rate: Same as Water

pH of Solution: 4.5-6.5

Odor: Pleasant

Vapor Pressure: 17 mm Hg @ 20 degrees C/68 degrees F Water

Vapor Density: <1 Water

Water Solubility: Complete

**Section 10: Stability and Reactivity**

Stability: Stable

Hazardous Polymerization: Will not Occur

Conditions to Avoid: None Known

Incompatible Materials: Strong Oxidizing or Reducing Agents

Hazardous Decomposition Products: None Known

## **Section 11: Toxicological Information**

### ***Acute Toxicity***

Mutagenicity: No data  
Oral Toxicity: No data  
Dermal Toxicity: Not absorbed topically  
Inhalation Toxicity: None known  
Skin Irritation: No data  
Sensitizer: No data

Lavacol IV™ MSDS

Page 3 of 3

## **Section 12: Ecological Information**

### **Environmental Toxicity:**

No environmental data

## **Section 13: Disposal**

Dispose liquid and contaminated solids in accordance with Federal, State, and local regulations and permits.

## **Section 14: Transport Information**

### ***Domestic Data***

DOT Shipping Name: Not Regulated  
DOT Hazard Class: Not Regulated

### ***Export Data***

Export Shipping Name: Not Regulated  
Export Hazard Class: Not Regulated  
Hazardous Ingredients: None  
UN Number: None

## **Section 15: Regulatory Information**

### ***SARA Section 313 Notification (40CFR 372)***

This Product Does Not Contain Toxic Chemicals Subject to the Reporting Requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

## **Section 16: Other Information**

HMIS Hazard Codes – Health/Flammability/Reactivity; 1,0,1  
NFPA Hazard Codes - Health/Flammability/Reactivity; 1,0,1

**For Chemical Emergency  
Spill Leak Fire Exposure or Accident  
Call CHEMTREC Day or Night**

**DOMESTIC NORTH AMERICA 800-424-9300  
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)**

This MSDS is provided as an information resource only. This document should not be taken as a warranty for which Professional Water Technologies assumes legal responsibility. The information contained within this MSDS was provided by raw materials and other reliable sources. The buyer assumes all responsibility of using and handling the product in accordance with applicable federal, state, and local regulations.