



**PROFESSIONAL WATER
TECHNOLOGIES, Inc.**

High-Performance Reverse Osmosis Chemicals

1048 La Mirada Court, Vista, CA 92081

ph: (760)639-4400, (800)914-9072, fax: (760)639-4439

Internet: <http://www.PWTInc.com>, E-mail: Support@PWTInc.com

LAVASOL II™ MSDS

Page 1 of 4

Version 12.17.07

MSDS

Material Safety Data Sheet

December 17, 2007

Section 01: Chemical Product Identification

Domestic Trade Name: Lavasol II™

Export Trade Name: Lavasol II™

Section 02: Information on Hazardous Ingredients

Potassium Hydroxide, Solution

DOT Hazardous Classification: 8 (corrosive)

PWT Product Name: Lavasol II™

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: Not Applicable

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 N/A

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; 1,0,1

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

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.



**PROFESSIONAL WATER
TECHNOLOGIES, Inc.**

High-Performance Reverse Osmosis Chemicals

1048 La Mirada Court, Vista, CA 92081

ph: (760)639-4400, (800)914-9072, fax: (760)639-4439

Internet: <http://www.PWTInc.com>, E-mail: Support@PWTInc.com

LAVASOL II™ MSDS

Page 2 of 4

Version 12.17.07

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 butyl rubber full-length gloves, rubber apron made of nitrile or butyl 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 Solid 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 – Amber colored Liquid

Density: Approximately 9 lbs./gallon

Specific Gravity: 1.0 – 1.2 g/ml

Percentage Volatile: 72-70% Water - Max

Evaporation Rate: Same as Water

pH of Solution: 10.5 – 12

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

1048 La Mirada Court, Vista, CA 92081
ph: (760)639-4400, (800)914-9072, fax: (760)639-4439
Internet: <http://www.PWTInc.com>, E-mail: Support@PWTInc.com

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

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: Lavasol II™ (Potassium hydroxide, solution)
DOT Hazard Class: 8
PG III
UN Number: 1814
ERG 154

Export Data

Export Shipping Name: Lavasol II™ (Potassium hydroxide, solution)
Export Hazard Class: 8
Hazardous Ingredients: POH, solution
UN Number: 1814
PG III
ERG 154

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



1048 La Mirada Court, Vista, CA 92081
ph: (760)639-4400, (800)914-9072, fax: (760)639-4439
Internet: <http://www.PWTInc.com>, E-mail: Support@PWTInc.com

**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.