



## MATERIAL SAFETY DATA SHEET

Product Name:	OmegaMeter 75I Solution
Part Number:	0301176
Description:	Mixture of 75% by volume IsoPropyl Alcohol and 25% distilled water.
Effective Date:	06/02/08

### **1. Company Information:**

Company Address:	Scientific Solutions Inc. 9323 Hamilton Drive Mentor, OH 44060 USA	
Information Numbers:	Phone:	440-357-1400
	Email:	sales@LabMaster.com
	Website:	www.Scientific-Solutions.com

### **2. Composition/Ingredients:**

IsoPropyl Alcohol	CAS# 67-63-0 (75%)
Distilled Water	CAS# 7732-18-5 (25%)

This document is prepared pursuant to the OSHA Hazard Communication Standard (29CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

### **3. Physical/Chemical Data:**

Boiling Point:	180 deg F
Vapor Pressure (MM HG):	31mm @ 68 deg F
Evaporation Rate (N-Butyl Acetate = 1):	1.3
Appearance & Odor:	Clear, colorless, mobile liquid with rubbing alcohol odor
Specific Gravity:	0.854 @ 25 deg C (water = 1)
Melting Point (deg. F)	Not applicable
Solubility in Water:	Complete
% Volatiles by Volume	100
Vapor Density:	2 (air = 1)
Freezing Point	Not Determined

### **Hazardous Ingredients**

Material	IsoPropyl Alcohol
CAS	67-63-0
Percent	75% (by Volume)
PEL	400ppm, 980 mg/m <sup>3</sup>
TLV	400ppm, 980 mg/m <sup>3</sup>
TLV / STEL	500ppm, 1225 mg/m <sup>3</sup>
Materials listed as carcinogens (NTP, IARC or OSHA)	None
STEL (Short Term Exposure Limit)	20 minutes

### **4. Fire & Explosion Hazard Data**

Flammable Limits In Air (% by volume):	Lower: 2 Upper: 12 @ 200 deg F
Flash Point and Method	70 deg F (Setaflash Closed Cup)
Unusual Fire & Explosion Hazards:	Vapors from this product may be moved by air currents Vapors from this product may travel Vapors may be ignited at locations distant from product handling point from the following sources and associated source types:

	electrical equipment, heaters, flames, pilot lights, sparks and/or ignition sources, static discharges.
Extinguishing Media:	Large Fires: Apply water fog and/or Alcohol or general purpose foam by manufacturer's recommend techniques. Small Fires: CO2 or Dry Chemical
Special Fire Fighting Procedures:	Warning Flammable MSHA/NIOSH approved self-contained breathing gear.

## **5. Reactivity Data**

Stability:	Stable
Conditions to Avoid:	Avoid heat, sparks, flame.
Hazardous by Products:	Burning may produce carbon monoxide and/or carbon dioxide.
Materials to avoid contact with:	Strong oxidizing agents (i.e. nitric acid) Avoid contact with halogens and halogen compounds, strong oxidizers, concentrated nitric and sulfuric acids.
Hazardous Polymerization:	Material does not polymerize
Storage	Store in a cool dry place Do not store or handle in aluminum equipment at temperatures above 120 ° F

## **6. Health Hazards & Sara (Right to Know)**

Emergency First Aid Procedures:	Contact with eyes can and skins can cause irritation.
Skin Absorption:	Can cause mild irritation, with prolonged exposure causing drying and cracking of skin. No evidence of adverse effects from the available information.
Eye Contact	Can cause moderate irritation with possible injury to the cornea
Ingestion:	Slightly toxic. Ingestion of a large quantity may cause flushing, headache, dizziness, CNS (Central Nervous System) depression, nausea, vomiting, stomach cramps, pain, diarrhea and irritation of the gastrointestinal tract.
Inhalation:	Low concentrations of vapors may cause mild irritation to eyes, nose and throat. Concentrations exceeding the TLV limit may result in headache and drowsiness.

Systemic & Other Effects:	Irritation as previously noted. Unconsciousness, coma, respiratory depression and death may occur in extreme cases. Liver damage by the conversion of IPA to acetone may result and be evidenced by loss of appetite, pain the right side upper abdomen and yellowish skin tone (jaundice).
Carcinogenicity:	Not Applicable
Overexposure Medical Conditions	None currently known
Repeated overexposure effects	No evidence of adverse effects from available information
Other Health Hazards	None currently known

## **7. First Aid**

Eyes	Irrigate immediately with water for at least 5 minutes. Mechanical irritation only. Get medical attention
Skin	Flush skin with water
Ingestion	Consume two glasses of water and induce vomiting If significant quantity has been swallowed, get medical attention promptly.
Inhalation	Seek fresh air.
Notes to Physician	There is no specific antidote.

## **8. Control Measures**

Respiratory protection:	Not required for normal uses if irritation occurs from breathing- get fresh air! Self-contained breathing apparatus in high concentrations.
Eye protection:	Splash goggles
Ventilation:	Product should be confined within closed equipment where general room ventilation should be adequate. Special local ventilation is required at points were vapors are expected to escape to the workplace air.
Protective Gloves:	Not required.

## **9. Safe handling procedures**

In Case of Spills:	Warning Flammable. Handling equipment must be grounded Eliminate all sparking and ignition sources. Collect large spills for proper disposal Flush small spills with water and/or take up with absorbent materials. Seal disposal containers tightly.
Disposal Method:	Hazardous waste number D0001 (Ignitability) applies. Burn in approved incinerator according to local, state, and federal regulations. At very low concentrations, this product can be readily biodegraded in a wastewater treatment plant.

## **10. Additional Information:**

Special precautions to be taken in handling and storage:	Warning Flammable Avoid contact with Eyes Causes Eye Irritation Keep away from heat, sparks and flame Keep Container Closed Use with Adequate Ventilation Wash after handling.
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## **11. Regulatory Information:**

### **(Not meant to be all-inclusive—selected regulations represented.)**

Notice:	The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.
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