

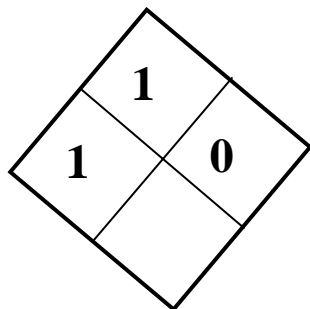
# Material Safety Data Sheet

## GENERAL INFORMATION

### Liqui-PREP™ Preservative R Solution (in all packaging configurations)

Date Issued: 07/25/07  
Replaces: 00/00/00  
Manufacturer: LGM International, Inc.  
3030 Venture Lane, Suite 106  
Melbourne, FL 32934  
Information: (321) 254-0480  
Emergency: (954) 253-5671

## HAZARD SYMBOLOGY



### Health Hazard

4 Deadly  
3 Extreme danger  
2 Hazardous  
1 Slightly hazardous  
0 Normal Material

### Fire Hazard Flash Points

4 Below 23° C  
3 Below 37° C  
2 Above 37° C, not exceeding 60° C  
1 Above 60° C  
0 Will not burn

### Reactivity

4 May detonate  
3 Shock & heat may detonate  
2 Violent chemical change  
1 Unstable if heated  
0 Stable

## HAZARDOUS INGREDIENTS

	CAS No.	Percent	Agency
Isopropyl Alcohol	67-63-0	10 - 24%	OSHA, ACGIH
Methyl Alcohol	67-56-1	5 - 10%	OSHA, ACGIH
NON-Hazardous Ingredients			OSHA, ACGIH

## PHYSICAL DATA

Appearance and Odor: Clear, colorless liquid with slight alcohol odor.  
Boiling Point: 82° C  
Vapor Pressure: N/T  
Vapor Density: N/T  
Solubility in Water: Yes  
Specific Gravity: 10.8 (BRIX @ 20° C)  
Melting Point: N/T  
Evaporation Rate: N/T  
Water Reactive: No



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## FIRE AND EXPLOSION HAZARD DATA

### Liqui-PREP™ Preservative R Solution (in all packaging configurations)

Fire and Explosion Hazard:	Moderate fire hazard if exposed to heat or flame
Flashpoint:	68 ° C
Auto-Ignition Temperature:	N/T
Flammability Limits in Air % by Volume:	N/T
Extinguisher Media:	Dry Chemical, carbon dioxide or water spray

## REACTIVITY DATA

Stability:	Alcohols are stable under normal temperatures and pressures.
Incompatibility:	High Heat, sparks, flame, alkylaluminum solutions, metals, zinc, corrodes aluminum and lead.
Hazardous Decomposition:	Thermal decomposition may include toxic oxides of carbon.
Hazardous Polymerization:	None

## HEALTH HAZARD DATA

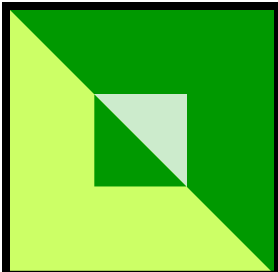
Skin Effects:	Prolonged or repeated contact can cause moderate irritation or dermatitis.
Eye Effects:	Can cause severe irritation, redness, tearing, blurred vision.
Ingestion:	Can cause gastrointestinal irritation, nausea, vomiting, diarrhea, blindness, death.
Inhalation:	Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache, unconsciousness, and even death.
Chronic Effects of Exposure:	Overexposure to this material, or its components, has been suggested as a cause of the following effects in humans: Liver abnormalities, eye damage, and kidney damage.

## PROTECTIVE EQUIPMENT

Ventilation:	General mechanical ventilation or general dilution ventilation to meet exposure limits.
Personal Protective Equipment:	Wear a lab coat, gloves and eye protection.

## EMERGENCY AND FIRST AID

Skin Contact:	Remove contaminated clothing immediately. Wash the affected area of your body with soap and large amounts of water until no evidence of the chemical remains.
Eye Contact:	Immediately flush eye with water for at least 15 minutes. If there is appreciable eye irritation, the individual should see a physician.
Inhalation:	If affected by vapors, move individual to fresh air immediately. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration.
Ingestion:	Get medical attention immediately



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## SPILL, LEAK AND DISPOSAL PROCEDURES

### Liqui-PREP™ Preservative R Solution (in all packaging configurations)

Emergencies: With large volume spills, leave the area quickly. Do not touch spilled materials. Designated individual should stop the leak and shut off ignition sources. Use water spray to reduce vapors, do not smoke, prohibit all flames or flares in the hazard area. Isolate the area until decontaminated.

## SHIPPING INFORMATION

Storage Conditions: Store away from high heat and open flame. Store at room temperature: 15 to 30° C.  
Transportation: Regular NON-HAZMAT Shipping

LGM International, Inc. Believes the information herein to be correct and factual as of the issue date hereof. This information is furnished on the condition that the person receiving it shall make the determination as to the suitability of the material for their particular purpose and on the condition that they assume the risks of the use thereof.

Issue Date: 05/27/07