

## ***MATERIAL SAFETY DATA SHEET***

**TRADE NAME: LUMIBRITE DESENSITIZING GEL - CN**

**CHEMICAL NAME:** Potassium nitrate 5%  
Potassium phosphate 10-15%

### **I. PHYSICAL DATA**

BOILING POINT (°C): N/A  
MELTING POINT: N/A  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.2  
VAPOR PRESSURE (20°C): NE  
VAPOR DENSITY (Air=1): NE  
SOLUBILITY IN WATER: Complete  
EVAPORATION RATE (Butyl Acetate=1): NE  
APPEARANCE AND ODOR: Translucent gel; odor-free

### **II. HAZARDS IDENTIFICATION**

HAZARDOUS COMPOUND(S)		
Ingredient	CAS No.	Toxicological Information
Potassium nitrate	7757-79-1	LD <sub>50</sub> (rat - oral) 3750 mg/kg
Potassium phosphate	7778-77-0	LD <sub>50</sub> (rabbit - skin) >4640 mg/kg

### **III. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (°C): N/A  
EXTINGUISHING MEDIA: Chemical foam, CO<sub>2</sub>, dry chemicals, water spray.  
SPECIAL FIRE EXTINGUISHING PROCEDURES: Use self-contained breathing equipment  
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A  
LEL EXPLOSIVE LIMITS: NE  
VEL EXPLOSIVE LIMITS: NE

**IV. HEALTH HAZARDS AND FIRST AID PROCEDURES**

INHALATION:	Not applicable.
SKIN:	Wash with soap and water.
EYES:	Flush with water for at least 15 minutes and consult physician.
INGESTION:	If large quantities are consumed, consult physician immediately.
CARCINOGENICITY:	None known or anticipated

**Chronic Exposure: May sequester calcium and cause calcium phosphate deposits in the kidneys.**

**V. REACTIVITY DATA**

STABILITY:	Stable. Keep away from heat and water.
INCOMPATIBILITY:	Acetone, ethers, water and acids.
HAZARDOUS DECOMPOSITION:	Toxic oxides of carbon and nitrogen compounds are emitted.
HAZARDOUS POLYMERIZATION:	No data available.

**VI. SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:	Wipe with absorbent towel.
WASTE DISPOSAL METHOD:	Dispose according to government regulations.

**EMERGENCY PHONE NUMBER: (805) 922-8491**

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