

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

**TRADE NAME: LUMIBRITE DESENSITIZING GEL**

<b>CHEMICAL NAME:</b>		<u>Approximate Concentration</u>
Potassium nitrate		5%
Potassium phosphate		10-15%
Sodium fluoride		≤ 1.1%

### **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)		Toxicological Information
Ingredient	CAS No.	
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
Sodium fluoride	7651-49-4	LD <sub>50</sub> (rat – oral) 52mg/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

**Note to Physician: Ingestion of greater than 15mg of fluoride is potentially fatal, so immediate medical treatment is vital.**

**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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