

MATERIAL SAFETY DATA SHEET

TRADE NAME: LUMIBRITE DESENSITIZING GEL

CHEMICAL NAME:		<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 ₂ 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 ₅₀ (rat - oral) 3750 mg/kg
Potassium phosphate	7778-77-0	LD ₅₀ (rabbit – skin) >4640 mg/kg
Sodium fluoride	7651-49-4	LD ₅₀ (rat – oral) 52mg/kg

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°C):	N/A
EXTINGUISHING MEDIA:	Chemical foam, CO ₂ , 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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