

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 (H₂O=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 ₅₀ (rat - oral) 3750 mg/kg
Potassium phosphate	7778-77-0	LD ₅₀ (rabbit - skin) >4640 mg/kg

III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°C): N/A
EXTINGUISHING MEDIA: Chemical foam, CO₂, 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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