

MATERIAL SAFETY DATA SHEET

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SECTION 1 - MATERIAL IDENTIFICATION

PRODUCT NAME: <i>alpha</i> -Pinene Gel	FORMULA: N/A
SYNONYMS: N/A	FORMULA WT: N/A
CAS #: N/A	
UN #: N/A	
RTECS #: N/A	

SECTION 2 - COMPONENTS

Ingredients	% W/W	CAS or UN#	TLV	HAZARD	LD ₅₀ /LC ₅₀
<i>alpha</i> -Pinene	85-95	80-56-8	N/A	irritant	3700 mg/kg Rat Oral 625 ug/m3 Rat Inhalation >500 mg/kg Mouse intrapenitoneal
Inert Polymer	135	N/A	N/A	N/A	N/A
Sudan IV (Dye)	0-0.25	85-83-8	N/A	Mutagen Tumorigen	512 mg/kg/58W Rat Subcutaneous

Only selected RTECS Data presented here. See actual entry for complete details.

SECTION 3 - PHYSICAL DATA FOR MATERIAL

APPEARANCE: Red or colorless Gel	SOLUBILITY IN WATER: Insoluble
ODOR DESCRIPTION: Resinous, pine-like odour	BOILING POINT: N/A
VAPOR PRESSURE (20 C, mm Hg): 0.3	% VOLATILES: 85 - 95
VAPOR DENSITY (AIR=1): 4.7	FREEZING POINT: N/A
SPECIFIC GRAVITY @ 25°C (WATER=1): N/A	

SECTION 4 - FIRE & EXPLOSION HAZARD OF MATERIAL

FLASH POINT (CC): 32°C	
EXTINGUISHING MEDIA: CO ₂ , dry chemical powder, polymer foam. If water must be used, it should be as a spray only.	
UNUSUAL FIRE & EXPLOSION HAZARD: Flammable liquid. Avoid heat, sparks, and open flame.	
HAZARDOUS COMBUSTION PRODUCTS: CO, CO ₂	
FLAMMABLE LIMITS	
LOWER EXPLOSION LIMIT: N/A	UPPER EXPLOSION LIMIT: N/A
AUTO-IGNITION TEMP: N/A	
SENSITIVE TO MECHANICAL IMPACT: N/A	
SENSITIVE TO STATIC DISCHARGE: N/A	

SECTION 5 - REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	Sources of ignition
MATERIALS TO AVOID:	Strong oxidizing agents
HAZARDOUS POLYMERIZATION:	No

SECTION 6 - PREVENTIVE MEASURES

RESPIRATORY PROTECTION:	If vapor concentration is high, due to heat, use an approved organic vapor respirator.
VENTILATION:	Self-contained, non-sparking, grounded fumehood is recommended.
PROTECTIVE GLOVES:	Hydrocarbon resistant.
EYE PROTECTION:	Splash-proof safety glasses or goggles.
OTHER PROTECTIVE EQUIPMENT:	Safety shower, eye wash.
SPILL OR LEAK PROCEDURES:	Contain spilled material. Remove sources of ignition. Wear self-contained breathing apparatus, rubber boots and gloves. Cover with carbon absorbent, place in closed container.
WASTE DISPOSAL METHOD:	Incineration or sanitary landfill in accordance with local, provincial/state and federal regulations.
HANDLING PROCEDURES:	DO NOT BREATHE VAPOURS, get in eyes or on skin. Wash thoroughly after handling.
STORAGE REQUIREMENTS:	Store in tightly closed container in a cool, dry place. Keep from heat, sparks or flame.

SECTION 7 - HEALTH HAZARD & FIRST AID MEASURES

Carcinogen	<input type="checkbox"/>	Mutagen	<input type="checkbox"/>	Teratogen	<input type="checkbox"/>
Reproductive Toxin	<input type="checkbox"/>	Synergist	<input type="checkbox"/>	Not Fully Investigated	<input checked="" type="checkbox"/>

SKIN:	Flush contaminated area with water for at least 20 minutes. If irritation occurs, seek medical attention.
EYE:	Immediately flush eyes with water for at least 20 minutes, holding the eyelids open. Seek medical attention immediately.
INHALATION:	Remove to fresh air. Oxygen may be given if necessary. Seek medical attention immediately.
INGESTION:	If conscious, have victim drink water or milk to dilute material in stomach. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Seek medical attention immediately.
PRIMARY ROUTE OF ENTRY:	Ingestion or inhalation.
EFFECT OF ACUTE EXPOSURE:	N/A
EFFECT OF CHRONIC EXPOSURE:	N/A

PREPARATION DATE:	Feb. 5, 2008
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ADDITIONAL INFORMATION:	Can cause eye damage and skin irritation.
SOURCES USED:	MERCK INDEX, RTECS

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