

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION					
<b>NFPA Rating:</b> Health-2; Flammability-4; Reactivity-0					
Manufacturer's Name: <b>MKG Sales Associates, Inc.</b> Address: 409 Bloomfield Dr. Unit 5 West Berlin, NJ 08091			Identity (trade name as used on label): <b>Personal Insect Repellent</b>		
Date Prepared: 11/12/96		Prepared By: RR		MSDS Number: 8078550	
Information Calls: (609)753-7111 EMERGENCY RESPONSE NUMBER: 800-255-3924			NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA		
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	OSHA PEL (ppm)	ACGIH TLV (ppm)	SARA III List	Carcinogen Reference Source
Isobutane/ Propane Blend	75-28-5	800	800	No	d
	74-98-6	1000	1000	No	d
Isopropanol	67-63-0	500	400	No	d
<b>Insecticide Concentrate Including:</b>					
Deet	134-62-3	N/E	N/E	No	d
N-Octyl Bicycloheptene Dicarboximide	113-48-4	N/E	N/E	No	d
Petroleum Distillate	68551-15-5	N/E	N/E	No	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS					
Boiling Point: N/A			Specific Gravity (H <sub>2</sub> O=1): 0.790		
Vapor Pressure: Max. 60			Appearance and Odor: Clear spray with ethereal odor		
Vapor Density (air=1): N/E			Evaporation Rate: N/E		
Solubility in Water: Partial			Water Reactive: No		
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA					
Flammable Limits		LEL: N/E		UEL: N/E	
FLASH POINT AND METHOD USED (°F): N/A			Extinguishing Media: Foam, dry chemical, carbon dioxide, water spray or fog.		
Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130 F or the container may rupture.					
Special Fire Fighting Procedures: Self-contained breathing apparatus.					
SECTION 4 - REACTIVITY HAZARD DATA					
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR		
Incompatibility (Mat. to avoid): Strong oxidants, anhydride & isocyanate			Condition to avoid: Open flame, welding arcs, heat, sparks		
Hazardous Decomposition Products: Carbon Monoxide, carbon dioxide					
SECTION 5 - HEALTH HAZARD DATA					
TLV:					
Effects of Overexposure:			Primary Routes of Exposure: Inhalation, skin absorption		
Eyes: Mild irritation. (Avoid eye contact)			Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effect and possible unconsciousness.		
Skin: May aggravate existing skin conditions.			Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.		
EMERGENCY FIRST AID PROCEDURES					
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.					
Skin Contact: Wash with soap and water. If irritated, seek medical attention.					
Ingestion: Do NOT induce vomiting. Drink two large glasses of water. Get immediate medical attention.					
Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.					
Medical conditions aggravated by exposure: May aggravate existing eye, skin, or upper respiratory conditions					
SECTION 6 - CONTROL AND PROTECTIVE MEASURES					
Respiratory Protection: none, if vapor concentration kept below TLV.					
Protective Gloves: None			Eye Protection: Safety glasses recommended. Do not spray into eyes.		
Ventilation Requirements: Local exhaust to keep vapors dispersed					
Other Protective Clothing & Equipment: None					
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE					
Steps To Be Taken If Material Is Spilled Or Released: Wipe up with absorbent material. Incinerate or landfill according to local, state or federal regulations. Do not flush to sewer.					
Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.					
Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130 F.					
Other Precautions &/or Special Hazards: Keep out of reach of children. Avoid food contamination. Avoid breathing vapors. Remove ignition sources. Avoid contact with plastic such as eyeglass frames and such fabrics as acetate and rayon.					

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only