

5/2/08

RECEIVED FEB 2 2009

	MATERIAL SAFETY DATA SHEET
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MSDS Number: 249-A-205

Issue Date: 12-03-01

BugOut[®] Mosquito Repellent

MANUFACTURER IQ Products Company 16212 State Highway 249 Houston, Texas 77086-1014	For Chemical Emergency Spill, Leak, Fire Exposure, or Accident, Call CHEMTREC: (800) 424-9300	NFPA HAZARD CLASSIFICATIONS <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="text-align: center;">0</td><td>= Health</td></tr> <tr><td style="text-align: center;">3</td><td>= Flammability</td></tr> <tr><td style="text-align: center;">0</td><td>= Reactivity</td></tr> </table>	0	= Health	3	= Flammability	0	= Reactivity	NFPA DESIGNATION 704 DEGREE OF HAZARD 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
0	= Health								
3	= Flammability								
0	= Reactivity								
PREPARED BY Marty A. York	MSDS ASSISTANCE IQ Phone: (281) 444-6454 IQ Fax: (281) 444-0185								

Section 1	Product Identification
NAME ON LABEL BugOut [®] Mosquito Repellent	CHEMICAL FAMILY Not Applicable (Mixture)
EPA REGISTRATION NUMBER 7056-20	CHEMICAL FORMULA Not Applicable (Mixture)

Section 2	Active Ingredients			
Active Ingredient(s) and Percentage by Weight	CAS No.	OSHA PEL	ACGIH TLV-TWA	ACGIH TLV-STEL
DEET (N,N-dimethyl-m-toluamide 14.25% and related isomers 0.75%) 15.0%	134-62-3	NE NE=Not Established	NE	NE

Section 3	Physical Data		
BOILING POINT (°F)	Not Established	SPECIFIC GRAVITY (H₂O=1)	0.88
VAPOR PRESSURE (mmHg @ 68 °F)	Not Established	pH	8.5
VAPOR DENSITY (Air=1)	Not Established	EVAPORATION RATE (BUTYL ACETATE=1)	Not Established
APPEARANCE	Clear, Colorless Liquid	ODOR	Fresh Scent

Section 4	Fire & Explosion Hazard Data	
FLASH POINT (test method): 65 °F (Fisher Tag Closed Tester)	AUTOIGNITION TEMPERATURE: Not Established	
FLAMMABLE LIMITS IN AIR, % BY VOLUME: Not Established	LOWER: Not Established	UPPER: Not Established
EXTINGUISHING MEDIA: Water spray, foam, Carbon dioxide, or dry chemical		
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed containers and structures. Use self-contained breathing apparatus and protective clothing.		
UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable: Contents under pressure. Keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 130 °F may cause container to burst.		

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Section 5		Health Hazard Data	
EFFECTS OF OVEREXPOSURE		EMERGENCY AND FIRST AID PROCEDURES	
EYES	Can cause temporary eye irritation if liquid is sprayed into the eyes.	EYES	Flush eyes with plenty of water. Get medical attention if irritation persists.
SKIN	May cause skin reactions in rare cases.	SKIN	Wash with soap and water. Get medical attention if irritation persists.
INHALATION	Excessive inhalation may cause headaches.	INHALATION	Remove affected person to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Trained personnel should only administer oxygen.
INGESTION	May be harmful by ingestion.	INGESTION	If swallowed, call a physician immediately or poison control center. Drink one or two glasses of water and induce vomiting by touching the back of throat with finger. DO NOT induce vomiting or give anything by mouth to an unconscious person.
Section 6		Reactivity Data	
STABILITY	<input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE	CONDITIONS TO AVOID: Avoid exposing the container to extreme heat or fire.	
INCOMPATIBILITY: Strong acids, alkaline materials, and oxidizers			
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR	CONDITIONS TO AVOID: None Known	
HAZARDOUS DECOMPOSITION PRODUCTS: None Known			
Section 7		Spill or Leak Procedures	
STEPS TO BE TAKEN IN CASE MATERIAL RELEASED OR SPILLED: Remove all ignition sources. Spills should be contained and cleaned up immediately. For large spills, ventilate area and avoid breathing vapors. Do not flush to sewer. Avoid contamination of rivers, lakes, and streams.			
WASTE DISPOSAL METHOD: Always package, store, transport, and dispose of all waste and contaminated equipment in accordance with all applicable federal, state, and local health and environmental regulations.			
Section 8		Special Protection Information	
EYE PROTECTION: Avoid spraying product in eyes.			
SKIN PROTECTION: Not Applicable			
RESPIRATORY PROTECTION: Avoid breathing vapors and spray mists during application.			
INDOOR USAGE:	VENTILATION: Open windows and doors to ventilate the area.		
OTHER PROTECTIVE EQUIPMENT: None Known			
Section 9		Special Precautions	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not contaminate water, food, or feed by storage and disposal. Storage: Keep in locked storage area. Store in a cool dry place, away from heat, sparks, and open flame. Do not store at temperatures above 130 °F. Disposal: Do not reuse empty container. Wrap and put in trash.			

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OTHER PRECAUTIONS: Read and observe all precautions and instructions on the product label.