

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communications Standard.
29CFR 1910.1200. Standard must be consulted for specific requirements.

SECTION I

MANUFACTURER'S NAME/REPACKAGED BY: Bugg Products / Certified Safety Mfg. Co., Inc.	TELEPHONE NO. (816) 483-9090
ADDRESS: 1400 Chestnut Avenue Kansas City, Missouri 64127	
IDENTITY (AS USED ON LABEL): <i>Insect Repellent Spray 25% Deet w/Vanilla Scent</i>	DATE PREPARED: 12/23/09
	DATE REVIEWED:

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):				
	%	OSHA PEL	ACGIH TWA	OTHER LIMITS RECOMMENDED
DEET [N,N-diethyl-m-toluamide]	CAS#134-62-3 25%	N/E	N/E	
Ethyl Alcohol	CAS#64-17-5 65-75%	1000ppm	1000ppm	
Fragrance	N/A 0.1 – 10.0	Not applicable		
THIS PRODUCT IS PRODUCED AS A HEALTH CARE ITEM "FOOD, DRUG OR COSMETIC, INTENDED FOR PERSONAL CONSUMPTION BY EMPLOYEES WHILE IN THE WORKPLACE" TO WHICH THE HAZARDOUS COMMUNICATIONS REQUIREMENTS OF; 29CFR1910.1200 (A) & (B) DO NOT APPLY, AS SPECIFICALLY STATED IN 29CFR 1910.1200 (B) (5) (V)				

SECTION III – PHYSICAL DATA

BOILING POINT (°F):	Not available	SPECIFIC GRAVITY (H₂O= 1):	0.85
VAPOR PRESSURE (mm Hg.):	Not available	MELTING POINT:	Not available
VAPOR DENSITY (AIR=1):	Not available		
SOLUBILITY IN WATER:	Not available		
APPEARANCE AND ODOR:	Clear, slightly oily liquid with mild characteristic odor		

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used): 70 ° F (TCC)	FLAMMABLE LIMITS: N/A	LEL: N/A	UEL: N/A
EXTINGUISHING MEDIA: Foam, carbon Dioxide, or dry chemical.			
SPECIAL FIRE FIGHTING PROCEDURES: Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water spray. Contain the run-off, if possible, for proper disposal.			

SECTION V – REACTIVITY DATA

STABILITY:	STABLE	√	CONDITIONS TO AVOID: N/A
	UNSTABLE		
INCOMPATIBILITY (Materials to avoid): Strong acidic or alkaline materials (strong oxidizing materials).			
HAZARDOUS POLYMERIZATION:	MAY OCCUR		CONDITIONS TO AVOID: N/A
	WILL NOT OCCUR	√	
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion will produce carbon dioxide, carbon monoxide and oxides of nitrogen.			

SECTION VI – HEALTH HAZARD DATA

EMERGENCY OVERVIEW: WARNING: FLAMMABLE Liquid, Do not use near heat, open flame or any ignition source. May cause eye injury. Harmful if swallowed. Avoid contact with eyes and lips. Use sparingly on small children . DO NOT apply to sunburned, damaged, or irritated skin. DO NOT allow use by small children without close adult
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supervision. Avoid contamination of food and feedstuffs.
POTENTIAL HEALTH HAZARDS: Eyes: WARNING. Can cause severe irritation, tearing and blurred vision. May cause permanent damage if not rinsed out immediately. SKIN: Can cause irritation and redness of skin, especially on areas occluded from air (inside gloves, under watch banks, etc.). INGESTION: WARNING. Can cause stomach irritation, resulting in nausea, cramps and vomiting. In extremely rare cases, can cause nervous system disorders, such as fatigue, dizziness, headaches, lack coordination, tremors and unconsciousness. INHALATION: Excessive inhalation can cause nasal and respiratory irritation. In extremely rare cases, can cause nausea and nervous disorders, such as fatigue, dizziness, headaches, lack of coordination, tremors and unconsciousness.
CARCINOGENICITY: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Product is meant to be applied to skin. If you suspect a reaction discontinue use, take off clothing and rinse skin immediately with water for 15-20 minutes.
SIGNS AND SYMPTOMS OF EXPOSURE: Ingestion: Nausea, sickness Eyes: Severe irritation Inhalation: Difficulty breathing, dizziness.
EMERGENCY AND FIRST AID PROCEDURES: Eyes: Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, get medical attention. SKIN: Immediately flush with large amounts of water. Remove contaminated clothing and wash affected areas with soap and water. If irritation persists, get medical attention.
INHALATION: Remove affected person to fresh air. Give oxygen, if necessary. If breathing has stopped, administer artificial respiration and get medical attention immediately. INGESTION: If swallowed, call a physician or poison control center and get medical attention immediately. Do not induce vomiting or give anything by mouth to an unconscious person. CHILDREN: If you suspect that your child is reacting to this product, wash treated skin and call your doctor.
NOTE TO PHYSICIANS: None

SECTION VII – SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small Spills: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent. Large Spills: Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.
WASTE DISPOSAL & PRECAUTIONS: Contaminated absorbent and wash water should be disposed of according to local, state and federal regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION
RESPIRATORY PROTECTION (<i>Specify type</i>): Wearing a respirator is not required when handling this product.
ENGINEERING CONTROLS: Mechanical ventilation should be used when handling this product in enclosed spaces or when product is heated above ambient temperature.
SKIN PROTECTION: Wear protective clothing.
EYE PROTECTION: Wear OSHA-approved safety glasses, goggles or face shield.
OTHER PROTECTIVE EQUIPMENT: N/A

SECTION IX – SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Handling: Wear OSHA - approved safety glasses, goggles or face shield. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not required when handling this product. Do not contaminate water, feed or food by storage, handling or disposal. Read and observe all precautions and instructions on the label. Storage: Store containers upright and closed. Store in areas that are cool, dry and well-ventilated. Keep away from heat, ignition sources and strong oxidizers. Emptied containers may retain product residues.
OTHER PRECAUTIONS: None

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