

MATERIAL SAFETY DATA SHEET

BugX[®] 30 Insect Repellent Bug X[®] 30 Towelette Insect Repellent

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CoreTex Products, Inc
1850 Sunnyside Ct.
Bakersfield, CA 93308
www.coretexproducts.com

Emergency Number: 1 800 255-3924

Product Information: 1 877 684-5774
Fax: 1 661 833-2753

PRODUCT NAME	Bug X [®] 30 Insect Repellent & Bug X [®] 30 Towelette	EPA Reg. No.	74289-1
CHEMICAL NAME	See Section 2	CHEMICAL FAMILY	Alkyl Amide
MOLECULAR WEIGHT	mixture	MOLECULAR FORMULA	mixture
EFFECTIVE DATE	September 2006	SUPERSEDES	Not applicable

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENTS	CAS #	% by wt	EXPOSURE LIMITS
N,N-Diethyl-m-toluamide (DEET) *	134-62-3	30	Not established
Ethyl Alcohol	64-17-5	< 12	OSHA PEL: 1000 ppm (as 8-hr time-weighted avg) ACGIH TLV: same
Other Inert ingredients**	trade secret	> 58	Not established

* Active Ingredient

** Other inert ingredients are maintained as trade secrets, are any substances other than an active ingredient contained in this product. Some of these may be hazardous, but their identity is withheld because they are considered trade secrets. The hazards associated with the other ingredients are addressed in this document.

3. HAZARDOUS IDENTIFICATION

******* EMERGENCY OVERVIEW *******

A white liquid, lotion or cream with added fragrance (variable).
This product does not present an immediate
concern for emergency personnel.

POTENTIAL HEALTH EFFECTS

EYES	May cause moderate irritation.	SKIN	Keep away from mucous membranes and abraded skin.
INGESTION	May be harmful if ingested.		
INHALATION	High gas, vapor, or mist concentrations may be harmful if inhaled.		
CHRONIC (CARCINOGEN)	None of the components of this material is listed by IARC, NTP or OSHA as a carcinogen.		
TERATOGENICITY	No data available for this mixture.		
MUTAGENICITY	No data available for this mixture.		

4. FIRST AID MEASURES

EYES	Immediately flush the eyes with plenty of water for at least 15 minutes. Call a physician.
SKIN	Wash thoroughly after skin contact.
INGESTION	Drink 1 to 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.
INHALATION	Remove from exposure. If not breathing, give artificial respiration and call a physician. Seek medical attention if medical problems persist.

5. FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES	FLASHPOINT	< 203°F (<95°C) Method: COC		
FLAMMABLE LIMITS	LEL	Not available	UEL	Not available
AUTOIGNITION	Not available			
COMBUSTION PRODUCTS	As with other organic materials, combustion will produce carbon monoxide, carbon dioxide and nitrogen oxides.			
EXTINGUISHING MEDIA	Foam, dry chemical, carbon dioxide (CO ₂), water spray.			
FIREFIGHTING INSTRUCTIONS	Wear self-contained breathing apparatus and protective clothing. Normal firefighting procedures may be used.			

6. ACCIDENTAL RELEASE MEASURES

Contain spilled material with sand or vermiculite and place in chemical waste container. Prevent runoff from entering drains, sewers, and streams.

7. HANDLING AND STORAGE

HANDLING	Avoid contact with eyes, mucous membranes and clothing. Use with adequate ventilation. Wash hands after handling. Since DEET is a good solvent, it is recommended that the formulation be kept away from painted and varnished surfaces, plastics, polymers and rubbers.
STORAGE	This product should be stored at ambient temperature in a dry, well-ventilated location. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS	Use with adequate ventilation. The use of local mechanical ventilation is recommended whenever this product is used in a confined space or heated above ambient temperature.
PERSONAL PROTECTIVE EQUIPMENT (PPE)	
EYES / FACE	Goggles or glasses with side shields.
SKIN	Clothing should be sufficient to minimize physical contact. Impermeable gloves recommended (i.e., disposable neoprene).
RESPIRATORY	The use of a NIOSH-approved organic vapor respirator is recommended whenever this product is used in a confined space or heated above ambient temperature. Air-purifying respirators must not be used in oxygen-deficient atmospheres.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White liquid, lotion or cream	ODOR	Fragrance added (varies)
pH	6.5 – 7.5 @ 1% aqueous solution	PHYSICAL STATE	Liquid, lotion or cream
VAPOR PRESSURE	Not available	VAPOR DENSITY	Not available
BOILING POINT	Initial boiling point = 78°C (ethyl alcohol)	FREEZING/MELTING POINT	Not available
SOLUBILITY (WATER)	water emulsion	SPECIFIC GRAVITY	approx. 1
EVAPORATION RATE	< 1 (Butyl Acetate = 1)		

15. REGULATORY INFORMATION

OSHA STATUS	Non-Hazardous	SARA TITLE III	Not applicable	CERCLA	Not applicable
California Proposition 65	Ingredients Not Listed				
NOTE: This material is an approved pesticide under U.S. EPA's FIFRA and Health Canada requirements.					

16. OTHER INFORMATION

	HEALTH	FLAMMABILITY	REACTIVITY	PERSONAL PROTECTION
HMIS RATING	1	1	0	B
NFPA RATING	1	1	0	

NOTE: "B" designates a recommendation of safety glasses and protective gloves when handling this material in bulk. This rating is given to materials which have the potential for skin irritation, or which may be harmful if absorbed through the skin.

DATE GENERATED: November 16, 2006

The information contained herein is true and accurate to the best of our knowledge. No warranty or guarantee is expressed or implied regarding the accuracy of such data.
It is the user's responsibility to determine the suitability for his own use of the products described herein. Nothing herein shall constitute permission, inducement, or recommendation to practice any invention covered by any patent owned by Morflex, Inc. or by others, nor as a recommendation to use any product or to practice any process in violation of any law or government regulation.

10. STABILITY AND REACTIVITY

STABILITY	Stable
INCOMPATIBILITY	Incompatible with oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS	As with other organic materials, combustion will produce carbon dioxide, carbon monoxide and oxides of nitrogen.
POLYMERIZATION	Will not occur.

11. TOXICOLOGICAL INFORMATION

Irritation	
skin – rabbit	500 mg; slightly irritating
eye – rabbit	100 mg; moderately irritating
Toxic effects	
oral – rat	LD ₅₀ (female): between 2000 mg/kg and 5000 mg/kg LD ₅₀ (male): > 5000 mg/kg
dermal – rat	LD ₅₀ : > 5000 mg/kg
inhalation – rat	LC ₅₀ : > 2000 mg/m ³
Other multiple dose toxicity	
skin – guinea pig	No evidence of dermal sensitizer effects.

12. ECOLOGICAL INFORMATION

No data available for this mixture.

13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with Federal, State, and Local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING CLASSIFICATION	Not Regulated
DOT HAZARD CLASS	ORM-D
UN NUMBER	Not applicable
DOT HAZARD LABEL	Not applicable
IMO	Not listed