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## MATERIAL SAFETY DATA SHEET

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### CORETEX PRODUCTS, INC.

1850 Sunnyside Court  
Bakersfield, CA 93308

Emergency Number: (800)255-3924 - 24 HOURS Information Number: (661)833-1572

**PRODUCT NAME: BUG X - DEET Insect Repellent Towelett** HMIS: 131B

EPA REG. NO: 305-29-74289

PRODUCT CODE: N/A

DATE PREPARED: 02/14/05

PREPARED BY: Brad Bierman

Health Hazard:..... 1

Fire Hazard:..... 3

Reactivity:..... 1

Personal Protection:..... 1

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### HAZARDOUS INGREDIENTS / IDENTITY INFORMATION:

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Material	CAS#	%	OSHA PEL	ACGIH	OSHA TWA	OSHA STEL
N,N-diethyl-meta-toluamide	134-62-3	52.25	N/E	N/E	N/E	N/E
Other isomers		27.50	N/E	N/E	N/E	N/E
Alcohol	67-63-0	<22.00	N/E	N/E	400ppm	500ppm

N/E = NOT ESTABLISHED

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### HEALTH HAZARDS:

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**Acute Inhalation:** Vapors and mist irritate the nose and throat. Inhalation of higher concentrations may cause headaches, nausea and coma.

**Eye Contact:** Vapors may irritate the eyes. Liquid and mist can severely irritate or damage the eyes and cause corneal burns.

**Skin Contact:** Do not apply to severely sunburned or damaged skin. May cause skin irritation in rare case.

**Ingestion:** Swallowing large amounts causes headaches, nausea, vomiting, stomach cramps, diarrhea and perhaps unconsciousness.

**Primary Routes of Entry:** Inhalation, skin contact and ingestion.

**Systemic & Other Effects:** May cause CNS disturbances. There have been a handful of isolated cases of adverse systemic effects associated with excessive exposure to DEET. Most of these cases have involved long term high dosage use of DEET on children.

**Medical Conditions Aggravated by Exposure:** Persons with pre-existing skin disorder, eye problems or impaired respiratory function may be more susceptible to the effects of this substance.

**Chemicals Listed as Carcinogens or Potential Carcinogens:** None Known.

**Comments:** Unnecessary exposure to this product, or any chemical, should be avoided.

California Proposition 65: No ingredients were found.

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### PHYSICAL / CHEMICAL CHARACTERISTICS:

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BOILING POINT:	Not Determined.
SPECIFIC GRAVITY:	N/A
VAPOR PRESSURE:	Not Determined.
PERCENT VOLATIVE BY VOLUME:	Not Determined.
EVAPORATION RATE:	Not Determined.
SOLUBILITY IN WATER:	Partial
APPEARANCE & ODOR:	Colorless to pale yellow liquid on disposable towelette. Odor of DEET and alcohol.

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### REACTIVITY DATA:

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STABILITY:	Stable.
INCOMPATIBILITY (material to avoid):	Strong oxidizing agents, halogens & bases may cause hydrolysis. Do not use Rayon, Acetate or Dynel clothing. It will have a softening effect on most plastics & some paint/varnishes. Do not use on leather.
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION:	Incomplete combustion may produce oxides of nitrogen & carbon.
CONDITIONS TO AVOID:	Extreme temperatures, fire, flames or sparks.

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### FIRE AND EXPLOSION HAZARDS:

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FLASH POINTS:	Estimated 60degrees F (COC) liquid
AUTO IGNITION:	Not determined
FLAMMABILITY LIMITS IN AIR, % BY VOL.:	Not determined
EXTINGUISHING MEDIA:	Foam, CO2 dry chemical
UNUSUAL FIRE OR EXPLOSION HAZARDS:	None known
SPECIAL FIRE FIGHTING PROCEDURES:	None

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### SAFE HANDLING AND USE:

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SPILL RESPONSE:	Absorb with suitable material, keep away from source of ignition, ventilate area.
WASTE DISPOSAL & PRECAUTIONS:	Contact your Local, State and Federal Regulations concerning health & pollution to determine approved disposal procedures.
HANDLING & STORING PRECAUTION:	Store in cool, dry location.
OTHER PRECAUTIONS:	Read & follow directions on product label. Good practice requires that gross amounts of chemical

be removed from the skin as practical, especially before eating or smoking.

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### PROTECTION MEASURES:

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RESPIRATORY PROTECTION: None normally required.  
VENTILATION: Use only in a well ventilated area.  
PROTECTIVE EQUIPMENT: Not required with normal use. Keep out of eyes.  
SKIN: Do not expose treated skin to fire, sparks or flame until liquid has evaporated.  
EMERGENCY NUMBER: (800) 255-3924  
COMMENTS: Do not get in eyes or mouth. Wash with soap and water after use.

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### SPECIAL PRECAUTIONS:

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HANDLING AND STORAGE: Store in cool, dry location.  
OTHER PRECAUTIONS: Read and follow directions on product label.

REGULATORY REQUIRMENTS: This product has been reviewed according to EPA "Hazard Categories" promulgated under Section 313 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: A Fire Hazard.

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
None		

Note: This date represents typical values, not product specifications. No guarantee of accuracy or completeness is made. No responsibility is assumed for any kind of loss or damage arising from use of this data. The aforementioned effects are based on the evaluation of individual components and the relevancy to the product as a whole is unknown.