MATERIAL SAFETY DATA SHEET

Bug X[®] 30 Insect Repellent Towelette & Lotion

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

CoreTex Products, Inc 1850 Sunnyside Ct. Bakersfield, CA 93308 www.coretexproducts.com Emergency Number: 800 255-3924

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

| PRODUCT NAME | Bug X [®] 30 Insect Repellent Towelette | CAS # | See Section 2 |
|------------------|---|-------------------|----------------|
| 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 | 10 – 30 | Not established |
| Ethyl Alcohol | 64-17-5 | 8 – 12 | OSHA PEL: 1000 ppm (as 8-hr time- weighted avg) ACGIH TLV: same |
| Emollient | trade secret | 2.5 | Not established |
| Lubricant | trade secret | 2.5 | Not established |
| Other emulsifiers, emollients, preservatives and fragrances (individually present at < 1% by weight) | multiple | 2 – 2.5 | Not established |
| Water | 7732-18-5 | 50 - 80 | Not established |

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, vapo | r, or mist concen | trations | may be harmful if inhaled. |
| CHRONIC (CARCINOGEN) None of the co or OSHA as a | | | ts of this material is listed by IARC, NTP en. | |
| TERATOGENICITY No data availa | | No data availat | ole for th | is mixture. |
| MUTAGENICITY No data avai | | No data availat | ole for th | is 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 | 153 - 155°F (67 - 68°C) Method: COC | |) Method: |
|---------------------------|---|--|-----|---------------|
| 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 adequate ventilation. Wash hands af solvent, it is recommended that the for | | 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) | |
|--------------------------------------|---|---------------------------|----------------------------|--|
| рН | 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) | | | |

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 | LC50: > 2000 mg/m3 | | |
| 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 |

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. | | | | | | |

California Proposition 65: No ingredients were found

16. OTHER INFORMATION

| | HEALTH | FLAMMABILITY | REACTIVITY | PERSONAL PROTECTION |
|-------------|--------|--------------|------------|---------------------|
| HMIS RATING | 1 | 1 | 0 | В |
| 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.

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