

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**

<b>MANUFACTURER'S NAME/REPACKAGED BY:</b> Cortex Products, Inc. / Certified Safety Mfg. Co., Inc.	<b>TELEPHONE NO.</b> (816) 483-9090	
<b>ADDRESS:</b> 1400 Chestnut Avenue Kansas City, Missouri 64127		
<b>IDENTITY (AS USED ON LABEL):</b> Insect Repellent Towelette 55% Deet	<b>DATE PREPARED:</b> 12/23/09	<b>DATE REVIEWED:</b>

**SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

<b>HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Name(s)):</b>					
		%	OSHA PEL	ACGIH TWA	OTHER LIMITS RECOMMENDED
N,N-diethylmetatoluamide	CAS#134-62-3	52.25%	N/E	N/E	
Others Isomers	CAS# N/A	27.50%	N/E	N/E	
Alcohol	CAS#67-63-0	<22.00	N/E	N/E	
N/E = NOT ESTABLISHED					
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**

<b>BOILING POINT (°F):</b>	Not Determined	<b>SPECIFIC GRAVITY (H<sub>2</sub>O= 1):</b>	N/A
<b>VAPOR PRESSURE (mm Hg.):</b>	Not Determined	<b>MELTING POINT:</b>	N/A
<b>VAPOR DENSITY (AIR=1):</b>	N/A	<b>EVAPORATION RATE:</b> (Butyl Acetate =1)	Not Determined
<b>SOLUBILITY IN WATER:</b>	Partial	<b>% volatiles by Weight:</b>	Not Determined
<b>PH:</b>	N/A		
<b>APPEARANCE AND ODOR:</b> Colorless to pale yellow liquid on disposable towelette. Odor of DEET and alcohol.			

**SECTION IV – FIRE AND EXPLOSION HAZARD DATA**

<b>FLASH POINT (Method used):</b> Est. 60° F (COC) Liquid	<b>FLAMMABLE LIMITS:</b> Not determined	<b>LEL:</b> N/A <b>UEL:</b> N/A
<b>EXTINGUISHING MEDIA:</b> Foam, CO <sub>2</sub> , dry chemical		
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> None		
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> None known		

**SECTION V – REACTIVITY DATA**

<b>STABILITY:</b>	<b>STABLE</b>	√	<b>CONDITIONS TO AVOID:</b>
	<b>UNSTABLE</b>		
<b>INCOMPATIBILITY (Materials to avoid):</b> 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.			
<b>HAZARDOUS</b>	<b>MAY OCCUR</b>		<b>CONDITIONS TO AVOID:</b> Extreme temperatures, fire,

<b>POLYMERIZATION:</b>	<b>WILL NOT OCCUR</b>	√	Flames or sparks.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> Incomplete combustion may produce oxides of nitrogen & carbon.			

<b>SECTION VI – HEALTH HAZARD DATA</b>	
<b>ROUTE(S) OF ENTRY:</b>	<b>INHALATION?:</b> yes <b>SKIN?:</b> yes <b>INGESTION?:</b> yes
<b>POTENTIAL HEALTH HAZARDS:</b> <b>Acute Inhalation:</b> Vapors and mist irritate the nose and throat. Inhalation of higher concentrations may cause headaches, nausea and coma. <b>Eye Contact:</b> Vapors may irritate the eyes. Liquid and mist can severely irritate or damage the eyes and cause corneal burns. <b>Skin Contact:</b> Do not apply to severely sunburned or damaged skin. May cause skin irritation in rare case. <b>Ingestion:</b> Swallowing large amounts causes headaches, nausea, vomiting, stomach cramps, diarrhea and perhaps unconsciousness.	
<b>HEALTH HAZARDS (Acute and Chronic):</b> 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.	
<b>CARCINOGENICITY:</b> None known.	
<b>MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:</b> Persons with pre-existing skin disorder, eye problems or impaired respiratory function may be more susceptible to the effects of this substance.	
<b>EMERGENCY AND FIRST AID PROCEDURES:</b> <b>Inhalation:</b> Move to clean air <b>Eyes:</b> Water wash	
<b>Ingestion:</b> Seek medical attention <b>Skin:</b> Soap and water wash	

<b>SECTION VII – SPILL OR LEAK PROCEDURES</b>	
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:</b> Absorb with suitable material, keep away from source of ignition, ventilate area.	
<b>WASTE DISPOSAL &amp; PRECAUTIONS:</b> contact your local, state and federal regulations concerning health & pollution to determine approved disposal procedures.	

<b>SECTION VIII – SPECIAL PROTECTION INFORMATION</b>		
<b>RESPIRATORY PROTECTION (Specify type):</b> None normally required		
<b>PRECAUTIONARY STATEMENTS:</b> Keep out of eyes. Do not expose treated skin to fire, sparks or flame until liquid has evaporated. Do not get in eyes or mouth. Wash with soap and water after use.		
<b>VENTILATION:</b>	<b>LOCAL EXHAUST:</b> √ Use only in a well ventilated area.	<b>SPECIAL:</b> None
	<b>MECHANICAL (General):</b> None	<b>OTHER:</b> None
<b>PROTECTIVE GLOVE:</b> None required		<b>EYE PROTECTION:</b> Not required
<b>OTHER PROTECTIVE EQUIPMENT:</b> Not required with normal use.		

<b>SECTION IX – SPECIAL PRECAUTIONS</b>	
<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:</b> Store in cool, dry location.	
<b>OTHER PRECAUTIONS:</b> 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.	

THIS INFORMATION AND RECOMMENDATIONS HEREIN ARE TAKEN FROM SOURCES BELIEVED TO BE ACCURATE AS OF THE DATE, HOWEVER CERTIFIED SAFETY MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THIS INFORMATION OR THE SUITABILITY OF THE RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USE THEREOF.....