



SKEETS SAFE®

PROTECT YOURSELF / PROTÉGEZ-VOUS

INSECT REPELLENTS



OH&S REGULATIONS FOR SKIN PROTECTION

As written in the Canadian Occupation Safety and Health Regulations, Part II Skin Protection:

12.9 Where there is a hazard of injury or disease to or through the skin in a workplace, the employer shall provide every person granted access to the workplace:

- A shield or screen.
- **A CREAM TO PROTECT THE SKIN, or**
- An appropriate body covering.



INSECT REPELLENT PRODUCTS ARE:

- **Reliable & Effective Products.**
- **Competitively Priced Solutions for any Environment.**
- **Added Value Formulations providing...**
 - **Superior Product Performance.**
 - **Protection from the Health Hazards, Distraction and Annoyance associated with Insect Bites**



HEALTH HAZARDS ASSOCIATED WITH COMMON INSECTS



- **Ticks** - Lyme Disease, Rocky Mountain Spotted Fever
- **Flies** - Yellow Fever, Malaria, Dysentery, Typhoid
- **Mosquitoes** - Malaria, Yellow Fever, Encephalitis, WEST NILE VIRUS.
- **Horse Flies** - Anthrax, Tularemia.
- **Deer Flies** - Anthrax, Tularemia.
- **Black Flies** - Don't carry disease to Humans, but are an Extreme Nuisance.
- **Fleas** - Just about anything.



WEST NILE VIRUS



- **1999, first detected in United States, New York City.**
- **2001 August , confirmed in two dead birds found in southern Ontario Canada.**
- **2002 - Louisiana, West Nile Virus has infected some 112 residents, killing five and hospitalizing dozens more. Governor M. Foster declares a state of emergency as mosquito borne virus has been found in every corner of the state.**
- **2003 Provincial Governments have committed millions of dollars to programs that will monitor the West Nile Virus and will be putting into place more aggressive insect control campaigns during the spring and summer**



WEST NILE VIRUS



- **2003 The Provincial Government of Ontario has committed to \$100 million dollars for the next five years to fight the West Nile Virus.**
- **U.S.A.**
 - **2002 - 4,000 human cases in 40 states and almost 300 deaths**
 - **2003 - 9,186 human cases in 46 states and 231 deaths.**
 - **2004 – 2,470 human cases in 41 states and 88 deaths.**
- **FACT – Outdoor workers are exposed**



WEST NILE VIRUS



WEST NILE VIRUS IN CANADA

Ontario	2002		2003		2004		2005	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Humans	319	18	89	2	13	0	101	8
Horses	1007	N/A	41	N/A	9	N/A	0	0
Birds	281	281	242	242	250	250	300	300
Canada	2002		2003		2004		2005	
	Cases	Deaths	Cases	Deaths	Cases	Deaths	Cases	Deaths
Humans	320	20	1223	10	25	0	226	12
Horses	356	N/A	445	N/A	13	N/A	3	0
Birds	281	281	242	242	250	250	300	300
As per I.A.P.A.								



WEST NILE VIRUS



- **There is currently no vaccine against West Nile Virus encephalitis.**
- **It is carried and spread by mosquitos. It can cause fatal inflammation of the spinal cord and brain (encephalitis) in certain birds, horses and humans.**
- **Individuals that become infected can experience few or mild symptoms. Some people do not feel anything and the virus goes undetected.**
- **Those that do get ill may suffer headaches, flu-like symptoms, sore muscles, and slight fever that can progressively get worse.**



WEST NILE VIRUS



HOW TO PROTECT AGAINST IT

- **Minimize your time outdoors at dawn and dusk.**
- **Wear long-sleeved tops and long pants or proper insect repellent clothing.**
- **Spray the area you are planning to work or play in with an area type repellent.**
- **Protect yourself, your employees and your family with personal protective insect repellents.**



DEET

N-diethyl m-toluamide

- **Has been used since 1954 in Insect Repellents**
- **Is used in virtually all Repellents as the ACTIVE***
 - ** Active Ingredients: The Ingredients that make a Product Perform.
- **EPA approved as safe for humans in repellents.**
- **Emits a Vapour Shield 2"-3" Above Sprayed Area.**
- **Repels Insects by severely irritating their outer body.**
- **In higher concentrations generally repels insects longer.**



DEET

N-diethyl m-toluamide

DEET: Using the latest health protection standards, DEET was re-evaluated in 2001 to ensure continued acceptable use and extra protection for children. DEET-based repellents at various concentrations offer different protection times. Examples of protection times based on DEET concentration are as follows:

% Of DEET complete protection time (CPT) in hours

5-6 % DEET 2 hours

7-10% DEET 3 hours

11-14% DEET 4 hours

15-21% DEET 5 hours



Choosing A Product

Choose a product that meets your needs. For example, if you plan to be outdoors for a short period of time, choose a product with a lower concentration of repellent and repeat application only if you need a longer protection time.

Use only personal insect repellents that are registered in Canada. They have a registration number granted under the *Pest Control Products Act* and are labelled as insect repellents for use on humans. Never use a product labelled as an insecticide on your body.



CANADIAN PMRA REGULATIONS

As of August 2002, manufactures of insect repellents can no longer produce product as per the following:

- Maximum amount of DEET used of 30%.**
- Cannot use MGK@264 - Insecticide Synergist (N-octyl bicycloheptene dicarboximide)**
- Cannot use MGK@ Repellent 326 (Di-n-propyl isocinchomeronate)**
- Products that combined sunscreen with insect repellent.**



DEET

N-diethyl m-toluamide

Children under 6 months of age

- DO NOT use personal insect repellents containing DEET on infants.
- **Children aged 6 months to 2 years**
- In situations where a high risk of complications from insect bites exist, the use of one application per day of DEET may be considered for this age group.
- The least concentrated product (10% DEET or less) should be used.
- As with all insect repellents, the product should be applied sparingly and not be applied to the face and hands.
- Prolonged use should be avoided.

Children between 2-12 years of age

- The least concentrated product (10% DEET or less) should be used.
- Do not apply more than three times per day.
- Prolonged use should be avoided



DEET

N-diethyl m-toluamide

Choosing A Product

- Choose a product that meets your needs. For example, if you plan to be outdoors for a short period of time, choose a product with a lower concentration of DEET and repeat application only if you need longer protection time.
- Use only personal insect repellents that are registered in Canada. They have a registration number granted under the Pest Control Products Act (P.C.P.) and are labelled as insect repellents for use on humans. Never use a product labelled as an insecticide on your body.



INSECT REPELLENT TOWELETTES

Ultra Convenient - Individual Use

- 2 formulas:

- 10% DEET will provide up to 3 hours of continuous protection.

- 25% DEET will provide up to 6 hours of continuous protection.

- Large 4" x 8" Single use Disposable Insect Repellent Towelette providing a full 32 square inches of material.

- 1 oz per sq/yd material with excellent dispensing properties and tear strength.

- Contains enough repellent to protect an average size adult in Shorts & T-Shirt.

- Ultimate in portability: purse, pocket, glove box or fanny sack.

- 20 Towelettes box.





100 ml Pump Spray



- 2 formulas:
 - 10% DEET will provides 3 hours of continuous protection.
 - 30% DEET will provides 6 hours of continuous protection.
- Non greasy – prevents slipping of items held in hand such as: tools, steering wheel, etc., and will not collect dirt.
- Small bottle size ideal for storage and portability.
- Pump spray reduces waist from overspray and allows you to apply the product where you need.



150g Aerosol Spray



- **25% DEET formula provides up to 6 Hours of protection.**
- **Convenient sized 150 gram aerosol can may be stored in tool box, glove compartment, first aid kits, nap-sacks, etc.**
- **Ozone friendly.**
- **12 cans/Master Case**



350g Wasp & Hornet Killer



- Controls wasps, bees, hornets and yellow jackets.
- A solvent base using Carbon Dioxide and has a Dielectric Strength of 35kV minimum.
- May be used around electrical wires and transformers with a higher safety margin than a water based product such as the many Wasp and Foam products.
- Foam type products are ideal for non-electrical use in and around the home. They are less prone to stain wood, easier to clean-up, and will envelop a hornet's nest.
- Press the nozzle and completely saturate the nest from a distance of 2m (6.5ft) to 2.5m (8.2ft)
- 12 cans/Master Case



APPLICATIONS



- **Forestry & Lumber**
- **Department of Transport**
- **Grounds keeper/Landscape**
- **Telephone Companies**
- **Cable Companies**
- **Construction Companies**
- **Construction Trades**
- **Natural Gas Companies**
- **Pipeline Companies**
- **Parks & Rec. Departments**
- **Amusement & Water Parks**
- **Fisheries & Coast Guard**
- **Railway Companies**
- **Public Utility Commissions**
- **Hydro Electric Companies**
- **Police & Fire Departments**
- **Petroleum Companies**
- **Unions**