

## Vitamin B1

Vitamin B1, the key ingredient in our "Don't Bite Me! Patch" when topically applied, provides protection from biting insects for up to 36 hours! The thiamine (Vitamin B1) based formula is absorbed into the bloodstream through our "Don't Bite Me Patch" trans-dermal patch. Excess B1 is then secreted through the body's pores, making an odor that is almost undetectable to humans, but that mosquitoes don't like. This "odor" forms a protective barrier around the body that shields the user from mosquitoes and other biting insects.

Vitamin B1 properties are also good for the nervous system, digestion, muscles, heart and alcohol-damaged nerve tissues. The recommended daily amount of Vitamin B1 is 1.4 mg a day. There are no poisoning dangers with Vitamin B1 as the vitamin dissolves in water and is excreted in urine and sweat.

Proper use of the "Don't Bite Me! Patch" entails applying it to a dry, hairless area of the body up to two hours prior to exposure to biting insects. Additional patches may be needed if you weigh over 200 lbs, are traveling to heavily infested areas, smoke tobacco products or drink alcoholic beverages.

## Aloe

Aloe is the secondary ingredient in our "Don't Bite Me! Patch". The uses for Aloe Vera have been revered for a wide variety of medicinal and therapeutic purposes for thousands of years. Aloe Vera contains anti-inflammatory properties which may explain why it has been reported to alleviate pain and swelling associate with itches and burns. Because Aloe Vera is not considered an essential nutrient there is no RDA (Recommended Daily Allowance) set. It is a very safe herb with no known toxicity.

## Trans-dermal Patch

Trans-dermal medical delivery and release systems have been on the market since 1982. After more than 20 years of extensive development, most major pharmaceutical companies now market trans-dermal systems for dispensing a great variety of pharmaceutical agents. The technology has evolved into a flexible system of multi-layered polymeric laminates and reservoir system technology which store and release active ingredients under strict rate control. The trans-dermal delivery and release system provides a highly efficient, safe and easy to use method for delivering active ingredients and other compounds to the body through intact skin, thereby offering many advantages over the traditional dosage forms.

