

Hydrogenated Catmint Oil Fact Sheet

I. Description of the Active Ingredient

The active ingredient is a refined, multi-component extract of Oil *Nepeta cataria* which is a member of the mint family of plants (*Labiatae*). The technical grade active ingredient (TGAI) is identified as **Refined Oil of *Nepeta cataria*** and is also referred to as **Hydrogenated Catmint Oil (HCO)**. The technical grade active ingredient is intended for use in the manufacture of a dermal applied insect repellent for direct application to human skin to repel black flies, mosquitoes and other biting insects. General information on the nature of the active ingredient is readily available (e.g., <http://chemistry.about.com/library/weekly/aa103001a.htm>).

II. Use Sites, Target Pests, And Application Methods

- **Use Sites:** For direct application to human skin.
- **Target pests:** The technical grade Hydrogenated Catmint Oil (HCO) is intended for use in the manufacture of a dermal applied insect repellent for direct application to human skin to repel black flies, mosquitoes and other biting insects.
- **Application Methods:** Hydrogenated Catmint Oil (HCO) can be applied in small amounts directly onto skin spreading uniformly to completely cover any exposed skin surface. For the active ingredient to be effective, reapplication after six hours will be necessary. When applying to children, dispense into an adult's hand and then spread evenly over the child's exposed skin ensuring not to contact the child's fingers and hands.

III. Assessing Risks to Human Health

Hydrogenated Catmint Oil (HCO) is a refined, multi-component extract of the mint family of plants (*Labiatae*). The technical grade active ingredient is classified in Toxicity Category III for acute oral toxicity and primary eye irritation and Toxicity Category IV for acute dermal, acute inhalation and skin irritation. The Agency concludes that no risks to human health will be expected from the use of Hydrogenated Catmint Oil based on its low toxicity and current use as a food ingredient by the general public without any reported adverse effects on human health. Since Hydrogenated Catmint Oil (HCO) has the potential for eye irritation, the Agency is requiring stringent application directions.

IV. Assessing Risks to the Environment

The technical grade active ingredient is intended for use in the manufacture of a dermal applied insect repellent for direct application to human skin and should not to be applied directly to water or

to areas where surface water is present, and if used as labeled, is not likely to accumulate in drinking water. The Agency concluded that exposure and risk from the proposed use of the manufacture and integration of the technical grade Hydrogenated Catmint Oil into a formulated product is not expected to occur or pose a threat to non-target organisms.

V. Regulatory Information

On October 12, 2006, the Agency received an application from Dupont Chemical Solutions Enterprise, to register a technical grade product (TGAI), containing the active ingredient Refined Oil of *Nepeta cataria*. A notice of receipt of the application for registration of Refined Oil of *Nepeta cataria* as a new active ingredient intended for use in the manufacture of a dermal applied insect repellent for direct application to human skin to repel black flies, mosquitoes and other biting insects was published in the Federal Register on February 27, 2008 (73 FR 10434-35) with a 30-day comment period. On December 5, 2008, the Agency granted the registration for a technical grade Refined Oil of *Nepeta cataria* product, containing 100% by weight active ingredient. The product mentioned above, is the only registered biochemical pesticide product containing Refined Oil of *Nepeta cataria* as an active ingredient.

VI. Registrant Information

Refined Oil of *Nepeta cataria* Insect Repellent Technical and Manufacturing Concentrate
EPA Reg. No 71654-20
DuPont Chemical Solutions Enterprise
P.O. Box 80402
Wilmington, DE 1988-0402

VII. Additional Contact Information:

Ombudsman, Biopesticides and Pollution Prevention Division (7511P)
Office of Pesticide Programs
Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460