



GUINAMA. Laboratory distributor of raw materials for the pharmaceutical and cosmetics industries.

Type of document:

**TECHNICAL DATA SHEET**

Review date:

**14.12.2022**

Version:

**4.0**

## **94147-DIETHYLTOLUAMIDE-N,N**

### **1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION**

#### **1.1 Identification of the substance or preparation**

Name: Diethyltoluamide-N,N

Bulk code: 94147

Internal code: 405110

#### **1.2 Synonyms**

N,N-Diethyl-m-toluamide (DEET), DETA

### **2. DESCRIPTION**

Appearance: Transparent liquid.

Colour: Colourless or slightly yellowish.

Odour: Characteristic.

### **3. COMPOSITION/INFORMATION ON COMPONENTS**

Chemical name: N,N-Diethyl-m-toluamide (DEET)

Formula:  $C_{12}H_{17}NO$

CAS: 134-62-3

EC No: 205-149-7

Molecular weight: 191 g/mol

### **4. PHYSICO-CHEMICAL DATA**

For more information, see the analysis report.

**Solubility:** Soluble in ethanol, methanol, hexane, acetonitrile and toluene. Practically insoluble in water.

### **5. PROPERTIES/USES**

Biocide.

Products with DEET have demonstrated the ability to repel a variety of arthropods, including the following:

- Biting flies (black flies, phlebotominae, horseflies and ceratopogonidae)
- Red spider mite
- Deer flies
- Fleas
- Leeches
- Mosquitoes



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- Stable flies
- Ticks

To make efficacy claims on the product label, it is necessary to present data that support these claims. The data for these claims should be generated using field studies and laboratory studies. It is important to consult with the regulatory agency in advance to determine whether one or both types of studies will meet the requirements.

### 6. DOSAGE

No information available.

### 7. REMARKS

#### **STORAGE:**

Store in a cool, dry, well-ventilated place away from sunlight and moisture, in a tightly closed container and away from ignition sources.

The documentation available related to the product's regulatory compliance is included below.

#### **REGULATORY INFORMATION:**

- **US Environmental Protection Agency:** All bulk and consumer products containing DEET for sale in the US must be registered with the US EPA. These products are subject to the requirements of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). EPA registration kits can be obtained on its website at [www.epa.gov](http://www.epa.gov). In addition, all consumer products sold in the US must also be registered in the states in which they are marketed.
- **Canada:** All bulk and consumer DEET products sold in Canada must be registered with Health Canada's Pest Management Regulatory Agency (PMRA). Registration information can be obtained on their website at [www.nc-sc.gc.ca/pmra-crla/](http://www.nc-sc.gc.ca/pmra-crla/).
- **Europe:** The manufacturer is a member of DEET EU Joint Venture, which has notified its support to DEET for the Biocidal Products Directive. Until the Biocidal Products Directive enters into force, it is still necessary to consult with each EU country to determine the specific regulatory requirements. For all non-EU countries, consult with the specific regulatory agency.
- **China:** DEET is currently registered in China. All formulated products must be registered separately.
- **Australia:** DEET is registered in Australia. All formulated products must be registered separately.