



Specialized in chemicals

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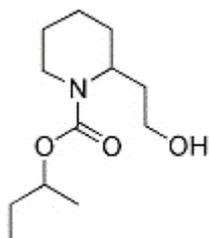
Technical Data Sheet

Icaridin

Product Information

Chemical Name	Icaridin
CAS #	119515-38-7
Formula	C ₁₂ H ₂₃ NO ₃
Molecular Weight	229.32
Synonyms	Icaridin (Picaridin); Picaridin; Pikaridin; Propidine;

Structural formula:



Physical Properties

Appearance: Colourless liquid
Molecular Weight: 229.32
Density: 1.041 g/cm³
Boiling Point: 330.9 °C at 760 mmHg
Melting Point: below -170 deg C
Flash Point: 153.9°C
Refractive index: 1.477
Solubility: In water, 8.2X10⁺³ mg/L at 20 deg C, pH 4-9

Specification

Test Items	Specifications	Test Results
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Appearance	Colorless to pale yellow liquid	Colorless liquid
Content	≥97.0%	98.35%
PH (8.2g/100ml water)	4.0-9.0	6.16
Specific density (g/cm ³ ,20°C)	1.013-1.085	1.060
Boiling point	≥260°C	295°C

Applications

Icaridin plays an important role as an effective insect repellent in preventing and controlling malaria, yellow fever, west Nile virus(Lyme disease),forest encephalities, which is certified by WHO. It can be made into spraying agent, water repellent,wet tissue and repellent stick etc. Usually icaridin can provide mosquito protection for 3-5 hours (10% icaridin),even for 14hours (20% icaridin),which is much superior to other similar products. Icaridin has been successfully tested with dermatologist. It will not cause irritations on your skin and is nearly odorless. The effect of icaridin on various materials was also tested and results showed that icaridin has no adverse affect on plastics ,synthetics, plastic coatings and sealants.

Packaging

200kg/drum ,16mt/FCL or 25kg/drum,1kg/bottle, 5kg/drum or packed as customer's request

Storage & Handling

Keep in a cool, dry, dark location in a tightly sealed container or cylinder. Keep away from incompatible materials, ignition sources and untrained individuals. Secure and label area. Protect containers/cylinders from physical damage.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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