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Hefei TNJ Chemical Industry Co.,Ltd.

B910-911 Xincheng Business Center,

Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

Site: www.tnjchem.com

Material Safety Data Sheet

Icaridin

Section 1: Chemical Product and Company Identification

Molecular formula:C12H23NO3

CAS Nr: 119515-38-7

Molecular weight: 229.32

Synonyms:Icaridin (Picaridin); Picaridin; Pikaridin; Propidine;

Contact Information for Emergency: (0086) 551 65418678

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	%By Weight
Icaridin	119575-38-7	97min

Section 3: Hazards Identification

Emergency Overview: Note: This hazards evaluation is based on information from component products

Routes of Entry: Dermal, oral, inhalation

Potential Acute Health Effects:

Eyes: May cause moderate, temporary irritation.

Skin: May cause moderate, temporary irritation to sensitive skin or skin with existing dermatological conditions.

Inhalation: Not likely to produce toxic effects, but may be irritating to respiratory tract in sensitive individuals.

May cause dizziness and central nervous system depression

Ingestion: May be harmful if swallowed, producing irritation, nausea, vomiting and diarrhea.

Potential Chronic Health Effects:

Carcinogenic Effects: Not determined; none expected
DEVELOPMENTAL TOXICITY : Not available.
Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

Section 4: First Aid Measures

Eye Contact: Hold eye open and rinse with a slow, gentle flow

Skin Contact: Rinse skin with water for 10-15 minutes, then of water for 10-15 minutes. Remove contact lenses, if present, wash with soap and water. Seek medical advice if irritation after first 5 minutes, then continues rinsing eye. Seek medical persists advice if irritation persists.

Ingestion: Do not induce vomiting. Seek medical advice.

Inhalation: Seek fresh air and if warranted, seek medical advice.

Physician or poison control center. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol..

Section 5: Fire and Explosion Data

Flash Point: 78 ° F Flammable Limits: Not Applicable

Extinguishing Media: Use extinguishing media appropriate for surrounding fire: Use dry chemical, foam or CO2 extinguishing media

Special Fire-Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area and equipment until decontaminated. Avoid breathing smoke and mists.

Fire and Explosion Hazards: Explosive/hazardous vapors and flammable liquid

Hazardous Combustion Products: Toxic fumes from burning containers and packaging may cause inhalation hazard

Section 6: Accidental Release Measures

Spill and Leak Procedures: For small spills, absorb with appropriate medium then sweep up and place in disposal container. Wash the spill area with water containing a strong detergent, absorb with appropriate medium, sweep up and place in disposal container.

Seal containers and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

Section 7: Handling and Storage

Procedure For Handling

Avoid all personal contact, including inhalation.

Wear protective clothing when risk of overexposure occurs.

Recommended Storage Methods

Glass container.

Plastic container.

Metal can or drum

Packing as recommended by manufacturer.

Storage Requirements

Store in original containers.

Keep containers securely sealed.

No smoking, naked lights or ignition sources.

Store in a cool, dry, well-ventilated area.

Store away from incompatible materials and foodstuff containers.

Protect containers against physical damage and check regularly for leaks.

Observe manufacturer's storing and handling recommendations.

Section 8: Exposure Controls/Personal Protection

Exposure Controls

The following materials had no OELs on our records

picaridin: CAS:119515-38-7

Respirator

Type A-P Filter of sufficient capacity

Consult your EHS staff for recommendations

Eye

Safety glasses with side shields.

Chemical goggles.

Full face shield.

Hands/Feet

Wear chemical protective gloves, eg. PVC.

Engineering Controls

General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear an approved respirator.

Section 9: Physical and Chemical Properties

Relative Molecular Mass: 229.3g/Mol

Form: liquid ,clear

Solidifying point: < -170°C

Viscosity: 30.7 sec. flow time according to DIN53211

Initial boiling point: 296°C at 1013Hpa

Vapour pressure: 3.4 × 10^{exp-4}Hpa at 20°C

5.9 × 10^{exp-4}Hpa at 25°C

7.1 × 10^{exp-3}Hpa at 50°C

Irritation: non-irritant

Color: Colorless-brownish

Odor: Nearly odourless

Density: 1.07g/cm³ at 20°C

Solubility: In Water 8.6g/L at 20°C

In Acetone 7250g/L at 20°C

Section 10: Stability and Reactivity Data

Conditions Contributing To Instability

Presence of incompatible materials.

Product is considered stable.

Storage Incompatibility

Avoid reaction with oxidizing agents.

For incompatible materials - refer to Section 7 - Handling and Storage

Section 11: Toxicological Information

Ecotoxicity: Not available

Section 12: Ecological Information

Disposal Instructions

All waste must be handled in accordance with local, state and federal regulations.

Consult manufacturer for recycling options and recycle where possible.

Consult Waste Management Authority for disposal.

Section 13: Disposal Considerations

Not regulated for transport of dangerous goods: DOT, IATA, IMDG

Section 14: Transport Information

No data for picaridin (CAS: , 119515-38-7)

Section 15: Other Regulatory Information

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Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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