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### MATERIAL SAFETY DATA SHEET

<b>Material:</b>	Nix Lice Control Spray	<b>Code Number:</b>	
<b>Supplier:</b>	Insight Pharmaceuticals Corp. 550 Township Line Rd., Suite 300 Blue Bell, PA 19422-2726 USA	<b>Chemical Name:</b>	Permethrin
<b>Formula:</b>	see below	<b>DOT Number:</b>	None

#### COMPOSITION/HAZARDOUS INGREDIENTS

<u>Composition</u>	<u>CAS #</u>	<u>%</u>	<u>Exposure Limit</u>
Permethrin Xn; R 22	52645-53-1	< 1.0%	

#### HAZARDS IDENTIFICATION

**Hazard Description:**

**Occupational Hazard Labels:**

Possible Eye, Skin, and Respiratory Irritant

**Information for Consumer Use:**

Use only as directed by product packaging; Keep out of reach of children; For external use only.

**Classification System:**

The information in this data sheet is consistent with current EU regulations.

**Additional Information:**

If you do not understand the hazards or safety precautions described in this data sheet, contact a healthcare professional before handling this product.

#### FIRST AID MEASURES

**Eye Contact:** In case of accidental contact, immediately flush eyes with water. Hold eyelids open to ensure adequate flushing. Get medical assistance if strong or persistent irritation or other symptoms develop.

**Skin Contact:** In case of accidental contact, immediately remove contaminated clothing and wash affected area with soap and water. Get medical assistance if strong or persistent irritation or other symptoms develop.

**Ingestion:** In case of accidental ingestion, administer 1-2 glasses of milk or water to dilute ingested material. Get medical assistance.

**Inhalation:** Remove victim to fresh air. Administer oxygen if breathing is difficult. Administer artificial respiration if breathing has stopped. Get medical assistance if irritation or other symptoms develop.

#### FIRE FIGHTING MEASURES

**Suitable Extinguishing Agents:** CO<sub>2</sub>, extinguishing powder or water spray.

**Fire Hazards:** This material is not a fire hazard under normal conditions of use.

**Protective Equipment:** Wear appropriate protective equipment, including self contained breathing apparatus during all fire fighting activities.

#### ACCIDENTAL RELEASE MEASURES

**Measures for Environmental Protection:** No special measures required.

**Measures for Cleaning/Collecting:** Collect small spills with a clean towel or mop. Place waste in an appropriate container for disposal in accordance with all Federal, State and Local regulations. For large spills, contact Clean Harbors Environmental Services at 610-539-6633.

**HANDLING AND STORAGE**

Handling: Handle as directed by product packaging. Manufacturing operations may require special handling procedures to limit exposure to this material or its ingredients. Contact your supervisor or safety administrator for more information.

Storage: Store as directed by product packaging.

**EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Engineering Controls: Manufacturing operations may require the use of engineering controls to limit exposure to this material or its ingredients. Contact your supervisor or safety administrator for more information. Ensure that emergency eyewash and shower facilities are available.

Personal Protective Equipment: Manufacturing operations may require the use of personal protective equipment to limit exposure to this material or its ingredients. Contact your supervisor or safety administrator for more information.

**PHYSICAL AND CHEMICAL PROPERTIES**

Form: Liquid

Color: White

Flash Point: > 78° C.

Density: At 20° C 1.000 g/cm<sup>3</sup>

Solubility:

Water: Soluble

Organic Solvents: No data available

pH-value: At 20° C 7.0

**STABILITY AND REACTIVITY**

Stability: This material is stable under normal conditions of use.

Dangerous Reactions: None known

Hazardous Decomposition Products: None known

**TOXICOLOGICAL INFORMATION**

Acute/Subacute Toxicity:

52645-53-1 permethrin

Oral: LD50: 424 mg/kg (mouse)

LD50: 383 mg/kg (rat)

Dermal: LD50: >2000 mg/kg (rabbit)

Inhalation: LC50: 685 mg/m<sup>3</sup> (rat)

Additional Information: Acute Toxicity Data for the Formulated Product:

Oral LD50 (rat): >5000 mg/kg

Dermal LD50 (rat): >2000 mg/kg

Inhalation 4 hr. LC50 (rat): >3942 mg/m<sup>3</sup>

**ECOLOGICAL INFORMATION**

Persistence and Biodegradability: This material is not persistent in the environment.

Mobility and Bioaccumulation: This material is not expected to accumulate in aquatic organisms.

Ecotoxicological Effects: The concentrate of this material is very toxic to fish and other aquatic life. Data are not available on the aquatic toxicity of the final diluted mixture.

**DISPOSAL CONSIDERATIONS**

There are no special disposal requirements for this material.

Waste disposal methods: Dispose of in accordance with state, local and federal regulations.

Precautions for handling and storage: Store in tight containers in a cool dry location at room temperature (59 – 86° F (15 – 30° C).

Other Precautions: No data

**TRANSPORTATION AND ADDITIONAL INFORMATION:**

This material is not regulated for transportation.

**REGULATORY INFORMATION**

United States Regulations:

OSHA Hazard Communication Labels: Possible Eye, Skin and Respiratory Irritant

The information contained in this data sheet is based on currently available scientific information and is accurate and reliable to the best of our knowledge. Insight Pharmaceuticals makes no other warranties, expressed or implied, and assumes no responsibility or liability for injury or damage caused by the material if reasonable safety procedures are not followed as described in this data sheet.

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