



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

**Product identifier:** BUG-TEK for BED BUGS (PCP # 31379)

**Product use:** Insecticide

**Manufacturer:** Nortek Inc.                      **Tel:** 416-751-8804  
4 Sulkara Court                      **Fax:** 416-751-9219  
Toronto, ON                      **Email:** rai@nortekinc.ca  
M4A 2G9

## SECTION 2 – HAZARD IDENTIFICATION

**Irritancy Potential:** Substance is not an eye or skin irritant in primary tests. May cause transient irritation of eyes, skin and mucous membranes.

## SECTION 3 – COMPOSITION

Permethrin (m-phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-Dimethylcyclopropanecarboxylate)      0.25% by wt.  
CAS no. 52645-53-1

## SECTION 4 - FIRST AID MEASURES

In case of accident or if feeling unwell, seek medical advice immediately. Change contaminated, saturated clothing.

**Inhalation:** Remove affected person from the immediate area. If unconscious, place in recovery position and seek medical advice. Ensure supply of fresh air.

**Skin:** Wash off immediately with soap and water.

**Eyes:** Remove contact lenses, flush copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical advice.

**Ingestion:** Do not induce vomiting. Summon a doctor immediately. Never give anything by mouth to an unconscious person.

## SECTION 5 – FIRE-FIGHTING MEASURES

Product is a NON-FLAMMABLE, water-based emulsion.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### Personal precautions:

Avoid contact with skin, eyes and clothing. Use personal protective clothing.

### Environmental precautions:

Do not discharge into the drains/surface waters/groundwater. In case of entry into waterways, soil or drains, inform the responsible authorities.

### Methods and material for containment and cleaning up:

Contain and collect spillage with non-combustible absorbent materials, (e.g. sand, earth, vermiculite, diatomaceous earth) and place in container for disposal according to local regulations.

## SECTION 7 – HANDLING & STORAGE

### Advice on safe handling:

Avoid contact with skin and eyes. Keep container tightly closed. Do not eat, drink or smoke during work.

### General protective and hygiene measures:

After working and during work intervals the affected skin areas must be thoroughly cleaned. Keep away from foodstuffs and beverages. Avoid contact with eyes.

### Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a cool, well ventilated place. Keep from freezing.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**Personal protective equipment:** Not required

In the event of risk of skin contact with the product, wear suitable protective gloves.

## SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Form/Colour:** aqueous emulsion, milky

**Odour:** odourless

**pH:** 5.0 – 7.0

**Boiling point:** ~ 100°C

**Flash point:** > 100°C

**Density:** 0.98 - 1.01

**Solubility in water:** miscible

## SECTION 10 – STABILITY & REACTIVITY

**Chemical stability:** Stable at 25°C

**Conditions to avoid:** Keep from freezing.

**Incompatible materials:** None known

**Possibility of hazardous reactions:** No data available.

**Hazardous decomposition products:** None known

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Acute oral toxicity:** No data available.

**Acute dermal toxicity:**

LD<sub>50</sub> >5050 mg/kg  
Species Rats (male/female)  
Reference substance Product  
Source Stillmeadow, Inc., USA

**Acute inhalational toxicity:** No data available.

**Skin corrosion/irritation:**

Species rabbit  
Reference substance Product  
Source Product Safety Labs, USA  
Evaluation practically non-irritating  
Evaluation/classification Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:**

Species rabbit  
Reference substance Product  
Source Product Safety Labs, USA  
Evaluation practically non-irritating  
Evaluation/classification Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Reproduction toxicity:** No data available

**Carcinogenicity:** No data available

**STOT-single exposure:** No data available

**STOT-repeated exposure:** No data available

**Aspiration hazard:** No data available

## SECTION 12 – ECOLOGICAL INFORMATION

**Fish toxicity:**

LC<sub>50</sub> 2.5 micro-g/l  
Duration of exposure 96 hr  
Species Rainbow trout  
Reference substance Permethrin  
Source Pesticide Manual

**Daphnia toxicity:**

LC<sub>50</sub> 0.6 micro-g/l  
Duration of exposure 48 hr  
Species Daphnia magna  
Reference substance Permethrin  
Source Pesticide Manual

**Algae toxicity:** No data available

**Bacteria toxicity:** No data available

**Other aquatic organisms:** Very toxic to aquatic organisms

## SECTION 13 – DISPOSAL CONSIDERATIONS

No data available.

## SECTION 14- TRANSPORTATION INFORMATION

24 HOUR EMERGENCY SERVICE: CANUTEC: (613) 996-6666 (COLLECT)

## SECTION 15 – REGULATORY INFORMATION

This product and the label are registered with Health Canada, Pest Management Regulatory Agency.

## SECTION 16 – OTHER INFORMATION

**PREPARED BY:**

Rai Rimmel, P.Eng.

Tel: 416-751-8804

Email: [rai@nortekinc.ca](mailto:rai@nortekinc.ca)

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The information provided in this Material Safety Data Sheet is supplied in good faith and is accurate at the date of its publication. The intention is to give sufficient information about the product and its properties to enable the user to formulate his own procedures for the safe use of the product in terms of the health and safety of all concerned and the protection of the environment. This is not a specification of the product nor does it list its uses.

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