

# Material Safety Data Sheet



## KIRK BUGLESS Tick & Bug Repellent

Rev. 01/25/2000

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### Section I: Product Identification

Product name: KIRK BUGLESS  
Synonym: Insect Repellent  
Molecular Formula: Proprietary Information

### Section II: Chemical or Hazardous Components

Chemical Name: Isopropanol  
CAS No.: 67-63-0  
Exposure: ACGIH-TLV – 400 ppm TWA  
OSHA-PEL – 500 ppm STEL

Chemical Name: Liquefied Petroleum Gas  
CAS No.: 68476-85-7  
Exposure: ACGIH-TLV – 1000 ppm  
OSHA-PEL – 1000 ppm

Chemical Name: Pyroicide Intermediate  
Containing Deet  
CAS No.: 7786-80-3  
Exposure: ACGIH-TLV – Not Established  
OSHA-PEL - Not Established

\*\*\* No toxic chemical (s) subject to reporting requirements of Section 313 of Title III and of 40 CFR 372 is present. \*\*\*

RCRA REGULATED: No  
CERCLA (superfund): Not Applicable  
ALL MATERIALS IN PRODUCT ARE TSCA LISTED.  
DOT regulated: No  
DOT haz. Class: N/A  
DOT Shipping Name: N/A  
DOT number: N/A

### Section III: Physical Data

Boiling Point: 160° to 180°F  
Specific Gravity (H<sub>2</sub>O=1): 0.82  
Vapor Pressure (psia.): 60-80 psig  
Melting Point: N/A  
Vapor Density (AIR=1): Unknown  
Evaporation Rate: Not Applicable  
Solubility In Water: Partially Soluble

Appearance & Odor: Clear, colorless liquid. Alcohol odor.

### Section IV: Fire and Explosion Hazard Data

Flash Point:  
by Flame Extension: Not Flammable

Flammable Limits:  
LEL: Not Applicable  
UEL: Not Applicable

Extinguishing Media:  
Foam, alcohol foam, carbon dioxide, dry chemical, other.

Special Fire Fighting Procedures:  
Wear NIOSH approved self-contained breathing apparatus with full-face piece and protective clothing to prevent contact with skin and eyes. Use water spray to cool fire exposed containers.

Unusual Fire & Explosion Hazards:  
Vapors may form an explosive mixture in air. Closed container may rupture when exposed to extreme heat. Aerosol container may burst if heated over 120°F.

### Section V: Reactivity Data

Stability: Stable

Conditions to Avoid:  
Poor ventilation. Excessive heat and ignition sources such as sparks and flames.

Incompatibility (materials to avoid) : Strong oxidizing agents such as chlorine bleach.

Hazardous Decomposition:  
May form carbon dioxide, chlorine containing gases, and carbon monoxide.

Hazardous Polymerization:  
Will Not Occur.

### Section VI: Health Hazard Data

Primary Routes of Exposure:  
Oral, Inhalation, & Skin

Ingestion:  
Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may cause nausea and vomiting and may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage, which can be harmful.

Inhalation:  
May cause nose and throat irritation. High concentrations

may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

**Eyes:**

Irritant. Liquid contact will irritate eyes and may cause stinging, tearing, and redness.

**Skin or Contact:**

May cause mild irritation of redness and burning in rare cases especially in children.

**First Aid:**

**Ingestion:** If ingested, do not induce vomiting, keep person warm and quiet, and get medical attention. Aspiration of material into lungs can cause chemical pneumonitis, which can be fatal.

**Inhalation:** Remove to fresh air; if breathing is difficult give oxygen provided by a qualified operator is available. If breathing has stopped, perform artificial respiration. Seek medical attention.

**Eyes:** Irrigate immediately with water for at least 15 minutes, lifting eyelids periodically to remove contamination. Get immediate medical attention.

**Skin:** Wash thoroughly with soap and water and see a doctor if irritation persists.

**Carcinogen:** NTP – Not Listed  
IARC Monographs – None  
OSHA REGS – Not Regulated

## Section VII: Precautions for Safe Handling

**HMIS Information:**

Health – 1                      Reactivity – 0  
Flammability – 4              Personal Protection – A

**HMIS Definition:**

0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Extreme  
“/” in the Health Category denotes material does not target any major organs.

“\*” In the Health Category denotes material may target certain organs.

\* target organ toxin - lung-aspiration hazard.

**Eye Protection:**

Use chemical safety glasses.

**Protective Gloves:**

Not required.

**Respiratory Protection:**

Not required under conditions of normal use.

**Ventilation:** General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below required levels (See Section II).

**Other Protective Clothing:** Appropriate fire-extinguishing equipment.

**Work Practices:** Avoid contamination of food or feed. Wash hands after using and before smoking or eating.

## Section VIII: Control Measures

**Spills:** Keep spectators away. Eliminate all ignition sources (flames, hot surfaces and sources of electrical, static or frictional sparks) and ventilate area. Wipe up with absorbent material. Use only non-sparking tools. Place absorbent materials in covered metal containers for disposal.

**Waste Disposal Method:** Wrap empty container and place in trash collection. Do not reuse container.

**Precautions To Be Taken In Handling & Storing:** Do not store above 120°F. Do not puncture or incinerate container. Store and use only in a cool, well ventilated area away from all sources of ignition such as sparks, open flames and heated surfaces.

**Other Precautions:** Keep this and all chemicals out of the reach of children.

## Section IX: Part Number and Packaging

PART # 672 12 x 14 oz aerosol can (5 oz fill in 8oz can)

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END OF MSDS