

# Material Safety Data Sheet

PUR-OSOL BUG ELIMINATOR



## Section 1. Chemical product and company identification

**Trade name** : PUR-OSOL BUG ELIMINATOR  
**Product use** : Insecticide.  
**Supplier** : Puritan Services Inc.  
655 Lone Oak Drive  
Eagan MN 55121  
1-800-275-8914  
**Code** : 910667  
**Date of issue** : 02-February-2006

**EMERGENCY HEALTH INFORMATION: 1-800-328-0026**  
**Outside United States and Canada CALL 1-651-222-5352 (in USA)**

## Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
butane	106-97-8	
propane	74-98-6	
distillates (petroleum), hydrotreated light	64742-47-8	1 - 5
naphtha (petroleum), hydrotreated heavy	64742-48-9	1 - 5

## Section 3. Hazards identification

**Physical state** : Liquid. (Aerosol.)  
**Emergency overview** : WARNING!

FLAMMABLE LIQUID AND VAPOR.  
VAPOR MAY CAUSE FLASH FIRE.  
Repeated or prolonged contact with irritants may cause dermatitis.  
MAY CAUSE EYE IRRITATION.  
CONTENTS UNDER PRESSURE. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight.  
Can cause central nervous system depression.  
Avoid contact with eyes. Keep away from heat, sparks and flame. Keep container closed.  
Use only with adequate ventilation. Wash thoroughly after handling.

### Potential acute health effects

**Eyes** : Slightly irritating to the eyes.  
**Skin** : Slightly irritating to the skin.  
**Inhalation** : Slightly irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.  
**Ingestion** : No known significant effects or critical hazards.  
See toxicological information (section 11)

## Section 4. First aid measures

**Eye contact** : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.  
**Skin contact** : Flush contaminated skin with plenty of water. Wash clothing before reuse.  
**Inhalation** : If inhaled, remove to fresh air.  
**Ingestion** : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire fighting measures

<b>Flash point</b>	: 48.8889 °C (Closed cup)
<b>Flammable limits</b>	: Lower: 1.9 % Upper: 9.5 %
<b>Fire-fighting media and instructions</b>	: In case of fire, use water spray (fog), foam, dry chemical, or CO <sub>2</sub> .  Dike liquid for later disposal. Flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard. Bursting aerosol containers may be propelled from a fire at high speed. Cool closed containers exposed to fire with water.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

<b>Personal precautions</b>	: Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment. Do not touch or walk through spilled material.
<b>Environmental precautions</b>	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
<b>Methods for cleaning up</b>	: If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## Section 7. Handling and storage

<b>Handling</b>	: Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash thoroughly after handling.
<b>Storage</b>	: Keep out of the reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Do not store above 45°C

## Section 8. Exposure controls, personal protection

<b>Engineering controls</b>	: Good general ventilation should be sufficient to control airborne levels.
<b>Personal protection</b>	
<b>Eyes</b>	: Use safety eyewear designed to protect against splash of liquids.
<b>Hands</b>	: Use chemical-resistant, impervious gloves.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: A respirator is not needed under normal and intended conditions of product use.
<b>Name</b>	<b>Exposure limits</b>
butane	<b>ACGIH TLV (United States, 1/2004).</b> TWA: 1000 ppm 8 hour(s). Form: All forms
propane	<b>ACGIH TLV (United States, 1/2004).</b> TWA: 1000 ppm 8 hour(s). Form: All forms <b>OSHA PEL (United States, 8/1997).</b> TWA: 1800 mg/m <sup>3</sup> 8 hour(s). Form: All forms TWA: 1000 ppm 8 hour(s). Form: All forms
distillates (petroleum), hydrotreated light	<b>ACGIH TLV (United States, 1/2004). Skin</b> TWA: 200 mg/m <sup>3</sup> 8 hour(s). Form: All forms

## Section 9. Physical and chemical properties

Physical state : Liquid. (Aerosol.)  
 Color : Colorless.  
 Odor : Floral.  
 pH : 7 (100%)  
 Specific gravity : 0.79 (Water = 1)

## Section 10. Stability and reactivity

Stability : The product is stable.

## Section 11. Toxicological information

### Potential acute health effects

Eyes : Slightly irritating to the eyes.  
 Skin : Slightly irritating to the skin.  
 Inhalation : Slightly irritating to the respiratory system. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.  
 Ingestion : No known significant effects or critical hazards.

### Potential chronic health effects

Chronic effects on humans : Contains material which causes damage to the following organs: the nervous system.

## Section 12. Ecological information

Products of degradation : These products are carbon oxides (CO, CO<sub>2</sub>) and water.

## Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Do not puncture or incinerate container.

Consult your local or regional authorities.

## Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification		Consumer commodity	ORM-D	-	-

### APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

## Section 15. Regulatory information

HCS Classification : Combustible liquid  
 Target organ effects

U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were found.  
 SARA 302/304 emergency planning and notification: No products were found.

TSCA 8(b) inventory : All materials are listed or exempt.  
 California Prop. 65 : No products were found.

**Section 16. Other information**

Hazardous Material Information System (U.S.A.) :	Health	1
	Fire hazard	2
	Reactivity	0
	Personal protection	B

Date of issue : 02-February-2006.  
Responsible name : Regulatory Affairs  
Date of previous issue : No previous validation.

**Notice to reader**

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.