



# Safety Data Sheet

Issue Date: 20-Jan-2003

Revision Date: 12-Aug-2014

Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name D-Bugs-It

### Other means of identification

SDS # RE-001

Product Code DBI-1

### Recommended use of the chemical and restrictions on use

Recommended Use Bug remover.

### Details of the supplier of the safety data sheet

#### Manufacturer Address

Robbie Enterprises, Inc. 12708 Milwaukee Ave.  
Lubbock, TX 79424

#### Emergency Telephone Number

Company Phone Number (806) 794-4505  
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

Appearance Brownish orange liquid

Physical State Liquid

Odor  
Orange

### Classification

### Hazards Not Otherwise Classified (HNOC)

Causes mild skin irritation

### Unknown Acute Toxicity

5-10% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Ethylene Glycol Monobutyl Ether	111-76-2	Proprietary

Tetrapotassium pyrophosphate	7320-34-5	Proprietary
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\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

#### 4. FIRST-AID MEASURES

##### First Aid Measures

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If irritation or redness develops, seek medical attention.
<b>Inhalation</b>	Remove to fresh air. Get medical attention if discomfort develops or persists.
<b>Ingestion</b>	Drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

##### Most important symptoms and effects

**Symptoms** May cause skin and eye irritation. Vapors may cause dizziness or nausea.

##### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical** Combustion products may be toxic.

**Hazardous Combustion Products** Smoke, fumes or vapors, and oxides of carbon. Phosphorus oxides. Nitrogen oxides (NO<sub>x</sub>). Ammonia.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers exposed to fire with water.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Use personal protective equipment as required. Spills may be slippery.

**Environmental Precautions** See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Absorb with inert material, and then place in suitable container for chemical waste.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use with adequate ventilation. Empty containers will retain product residue; do not re-use.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from excessive heat. Store away from incompatible materials.

**Incompatible Materials** Oxidizers. Strong acids. Aluminum.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol Monobutyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Mechanical ventilation is acceptable.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Use safety glasses when splashing or spraying of the product into the eyes is likely or possible.

**Skin and Body Protection** For prolonged or repeated skin contact use suitable protective gloves.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid		
<b>Appearance</b>	Brownish orange liquid	<b>Odor</b>	Orange
<b>Color</b>	Brownish orange	<b>Odor Threshold</b>	Not determined

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	~9.5-10	
<b>Melting Point/Freezing Point</b>	Not determined	
<b>Boiling Point/Boiling Range</b>	Not determined	
<b>Flash Point</b>	Not determined	
<b>Evaporation Rate</b>	Not determined	
<b>Flammability (Solid, Gas)</b>	n/a-liquid	
<b>Upper Flammability Limits</b>	Not determined	
<b>Lower Flammability Limit</b>	Not determined	
<b>Vapor Pressure</b>	Not determined	
<b>Vapor Density</b>	Not determined	
<b>Specific Gravity</b>	Not determined	
<b>Water Solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Excessive heat.

**Incompatible Materials**

Oxidizers. Strong acids. Aluminum.

**Hazardous Decomposition Products**

Carbon oxides. Nitrogen oxides (NOx). Phosphorous oxides. Ammonia.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Eye Contact**

May cause temporary irritation on eye contact.

**Skin Contact**

Causes mild skin irritation.

**Inhalation**

Avoid breathing vapors or mists.

**Ingestion**

Do not taste or swallow.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethylene Glycol Monobutyl Ether 111-76-2	= 470 mg/kg ( Rat )	= 2270 mg/kg ( Rat ) = 220 mg/kg ( Rabbit )	= 2.21 mg/L ( Rat ) 4 h = 450 ppm ( Rat ) 4 h
Tetrapotassium pyrophosphate 7320-34-5	-	> 4640 mg/kg ( Rabbit )	-
Tetrasodium EDTA 64-02- 8	= 10 g/kg ( Rat )	-	-
Sodium xylenesulfonate 1300-72- 7	= 7200 mg/kg ( Rat )	-	-

**Information on physical, chemical and toxicological effects****Symptoms**

Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Carcinogenicity**

Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
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Ethylene Glycol Monobutyl Ether 111-76-2	A3	Group 3		
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**Legend**

**ACGIH (American Conference of Governmental Industrial Hygienists)** A3 -  
Animal Carcinogen

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**Numerical measures of toxicity**

Not determined

5-10% of the mixture consists of ingredient(s) of unknown toxicity.

**Unknown Acute Toxicity**

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethylene Glycol Monobutyl Ether 111-76-2		1490: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 2950: 96 h <i>Lepomis macrochirus</i> mg/L LC50		1698 - 1940: 24 h <i>Daphnia magna</i> mg/L EC50 1000: 48 h <i>Daphnia magna</i> mg/L EC50
Tetrapotassium pyrophosphate 7320-34-5		100: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50		100: 48 h water flea mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static		610: 24 h <i>Daphnia magna</i> mg/L EC50

**Persistence/Degradability** Not determined.

**Bioaccumulation** Not determined.

**Mobility**

Chemical Name	Partition Coefficient
Ethylene Glycol Monobutyl Ether 111-76-2	0.81

**Other Adverse Effects**

Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

## 15. REGULATORY INFORMATION

**International Inventories****TSCA**

Listed

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/NonDomestic Substances List

**EINECS/ELINCS** - European Invent

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

ory of Existing  
Chemical  
Substances/European  
List of Notified  
Chemical Substances

**US Federal Regulations****CERCLA**

Does not apply

**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Ethylene Glycol Monobutyl Ether - 111-76-2	111-76-2	Proprietary	1.0

**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol Monobutyl Ether 111-76-2	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards** **Flammability**

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**Instability** 0**Special Hazards**

Not determined

**HMIS****Health Hazards** **Flammability**

Not determined Not determined

**Physical Hazards**

Not determined

**Personal****Protection** Not  
determined**Issue Date:** 20-Jan-2003**Revision Date:** 12-Aug-2014**Revision Note:** New format**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**