

**Issue Date** August 2008

**Revision Date** August 2013

**Version** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** Bug Off™ Bug Remover

**Other Means of Identification**

**SDS #** 55677/SDS/I01

**Product Code** 55677

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use** Bug Remover.

**Details of the Supplier of the Safety Data Sheet**

**Supplier Address** Certol International, LLC.  
6120 East 58th Avenue  
Commerce City, Colorado 80022  
[www.Certol.com](http://www.Certol.com)

**Emergency Telephone Number**

**Company Phone Number(s)**  
Phone: 303-799-9401  
Toll-Free: 1-800-843-3343  
Fax: 303-799-9408

**24 Hour Emergency Telephone**

INFOTRAC: 1-800-535-5053 (North America)  
INFOTRAC: 1-352-323-3500 (International)

## 2. HAZARDS IDENTIFICATION

**Classification**

Serious Eye Damage / Eye Irritation	Category 2
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**Signal Word** Warning.

**Hazard Statements** Causes serious eye irritation.

**Appearance** Natural Liquid.

**Physical State** Liquid.

**Odor** Almond.

## 2. HAZARDS IDENTIFICATION (continued)



### Precautionary Statements-Prevention

Wash face, hands and any exposed skin thoroughly after handling.  
Wear eye/face protection.

### Precautionary Statements-Response

**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Control Center or doctor/physician.

**IF SWALLOWED:** Immediately call a Poison Control Center or doctor/physician.  
Rinse mouth.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor/physician.

**IF ON SKIN (or hair):** Remove/Take off immediately all contaminated clothing.  
Rinse skin with water/shower. Wash contaminated clothing before reuse.

### Precautionary Statements - Storage

Keep container tightly closed and store in a dry, cool and well-ventilated place away from incompatible materials.

**Keep out of the reach of children and pets.**

### Precautionary Statements - Disposal

Dispose according to all local, state and federal regulations.

### Hazards Not Otherwise Classified (HNOC)

Causes mild skin irritation.

### Other Information

Toxic to aquatic life.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Trisodium Phosphate	7601-54-9	*
EDTA	60-00-4	*
Propylene Glycol	57-55-6	*

\*The exact percentage is a trade secret.

## 4. FIRST AID MEASURES

### First Aid Measures

<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a physician or Poison Control Center immediately.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call physician immediately.
<b>Ingestion</b>	Rinse mouth. Drink large amounts of water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Call a physician or Poison Control Center immediately.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Call a physician if you feel unwell.

### Most Important Symptoms and Effects, both Acute and Delayed

<b>Symptoms</b>	Causes serious eye irritation. Prolonged eye contact may cause irreversible eye damage. Causes mild skin irritation. Prolonged skin contact may cause burns on sensitive skin. Ingestion may cause nausea, vomiting and diarrhea. Inhalation may cause irritation, coughing, nausea and headache.
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### Indication of any Immediate Medical Attention and Special Treatment Needed

<b>Note to Physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use water, CO<sub>2</sub>, dry chemical or foam for extinction.

### Unsuitable Extinguishing Media

Not Determined.

### Specific Hazards Arising from the Chemical

None known.

### 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.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

#### **Personal Precautions**

Use personal protective equipment as required. The wet contaminated surface may be slippery.

#### **For Emergency Responders**

Restrict access to spill area. Ventilate the area.

#### **Environmental Precautions**

Prevent entry into waterways, sewers, basements or confined areas.  
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 Cleaning Up**

Absorb with inert material. Shovel or sweep spills. Flush remainder with plenty of water.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

#### **Advice on Safe Handling**

Do not handle until all safety precautions have been read and understood.  
Handle in accordance with good industrial hygiene and safety practices.  
Use personal protection recommended in Section 8.  
Wash thoroughly after handling.

**Keep out of the reach of children and pets.**

### Conditions for Safe Storage, Including any Incompatibilities

#### **Storage Conditions**

Keep container tightly closed and store in a dry, cool and well-ventilated place away from incompatible materials.

**Keep out of the reach of children and pets.**

#### **Incompatible Materials**

Strong acids and oxidizers.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	WEEL STEL
Trisodium Phosphate 7601-54-9	N/A	N/A	N/A	5 mg/m <sup>3</sup> 5 min.

### Appropriate Engineering Controls

#### Engineering Controls

Ensure adequate ventilation, especially in confined areas.  
Eyewash stations.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/Face Protection

Wear goggles or a face protection shield.

#### Skin and Body Protection

Chemical resistant, impermeable gloves.  
When contact may occur, wear suitable protective clothing.

#### Respiratory Protection

Under normal conditions a respirator is not normally required.  
A mask or respirator may be used if vapor concentration is high.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid.	
<b>Appearance</b>	Natural Liquid.	
<b>Color</b>	Natural.	
<b>Odor</b>	Almond.	
<b>Property</b>	<b>Values</b>	<b>Remarks * Method</b>
<b>pH</b>	12.0 - 12.5	68°F (20°C)
<b>Melting Point / Freezing Point</b>	< 23°F / < -5°C	
<b>Boiling Point / Boiling Range</b>	> 192°F / > 89°C	(Approximate)
<b>Flash Point</b>	Not Flammable.	
<b>Evaporation Rate</b>	< 1	(Butyl acetate = 1) (Approximate)
<b>Flammability (Solid/Gas)</b>	N/A-Liquid.	
<b>Flammability Limits In Air</b>	Not Flammable.	
<b>Vapor Pressure</b>	Not Determined.	(Approximate) @ 68°F (20°C)
<b>Vapor Density</b>	> 1	(Air = 1) (Approximate)
<b>Specific Gravity</b>	1.06	68°F (20°C) (Water = 1)
<b>Water Solubility</b>	Completely Soluble.	

## 9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

<b>Partition Coefficient</b>	Not Determined.
<b>Autoignition 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 will not occur.

### Conditions to Avoid

None under normal processing.

### Incompatible Materials

Strong acids and alkalis.

### Hazardous Decomposition Products

None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### **Product Information**

<b>Inhalation</b>	Avoid breathing vapors and mists.
<b>Eye Contact</b>	Causes serious eye irritation.
<b>Skin Contact</b>	May cause skin irritation.
<b>Ingestion</b>	Do not taste or swallow.

## 11. TOXICOLOGICAL INFORMATION (continued)

### Component Information

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Trisodium Phosphate 7601-54-9	2000 mg/kg ( Rat )	300 mg/kg ( Rabbit )	2.16 mg/L ( Rat ) 1 hr.
EDTA 60-00-4	1700 mg/kg ( Rat )	N/A	N/A
Propylene Glycol 57-55-6	20000 mg/kg ( Rat )	20800 mg/kg ( Rabbit )	N/A

### 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** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical Measures of Toxicity

Not Determined.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

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

Toxic to aquatic organisms.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Propylene Glycol 57-55-6	Known Toxin	Known Toxin	No Information	Known Toxin
EDTA 60-00-4	Known Toxin	Known Toxin	No Information	Known Toxin

### Persistence and Degradability

Not Determined.

### Bioaccumulation

Not Determined.

### Mobility

Not Determined.

### Other Adverse Effects

Not Determined.

### 13. DISPOSAL CONSIDERATIONS

#### Waste Treatment Methods

##### **Disposal of Wastes**

Dispose according to all local, state and federal regulations.

##### **Contaminated Packaging**

Dispose according to all local, state and federal 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

Not Determined.

##### **Legend:**

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

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

***EINECS/ELINCS*** - European Inventory of Existing Chemical Substances/  
European List of Notified Chemical Substances

***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



**15. REGULATORY INFORMATION (continued)**

**US Federal Regulations**

**SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazard Categories**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 311/312.

**CWA (Clean Water Act)**

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Trisodium Phosphate 7601-54-9	5000 lb.	N/A	N/A	X
EDTA 60-00-4	5000 lb.	N/A	N/A	X

**CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA / SARA RQ	Reportable Quantity (RQ)
Trisodium Phosphate 7601-54-9	5000 lb.	N/A	RQ 5000 lb. final RQ RQ 2270 kg final RQ
EDTA 60-00-4	5000 lb.	N/A	RQ 5000 lb. final RQ RQ 2270 kg final RQ

**US State Regulations**

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Trisodium Phosphate 7601-54-9	X	X	X
EDTA 60-00-4	X	X	X
Propylene Glycol 57-55-6	X	N/A	X

## 16. OTHER INFORMATION

### NFPA

<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
2	0	0	Not Determined.

### HMIS

<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
Not Determined.	Not Determined.	Not Determined.	Not Determined.

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**Revision Note** New format.

### Disclaimer

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End of Safety Data Sheet