



## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

<b>Manufactured for:</b> HOWCO 1521 East Third Street Charlotte, NC 28204 1-800-633-3914	<b>Product Name:</b> Bug Remover™ 2.0 <b>Product Code:</b> 58003 <b>Recommended Use:</b> Bug remover <b>Revision Date:</b> 9/4/2018
<b>Chemical Emergency:</b> Chemtrec: 1-800-424-9300	

### SECTION 2: HAZARDS IDENTIFICATION

#### GHS Hazard Classification

Skin Corrosion	Category I
Serious Eye Damage	Category I

#### Signal Word

**DANGER!**



#### Hazard Statements

Causes severe skin burns and eye damage  
 Causes serious eye damage

#### Precautionary Statements - Prevention

Do not breathe vapors  
 Wash thoroughly after handling  
 Wear protective gloves and eye protection

#### Precautionary Statements - Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
 IF ON SKIN (or hair): Remove all contaminated clothing immediately. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
 Call a POISON CENTER or doctor/physician if you feel unwell

#### Precautionary Statements - Storage

Store locked up

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### SECTION 3: INFORMATION ON HAZARDOUS INGREDIENTS

Product is a mixture according to 29 CFR 1910.1200.

#### Hazardous Components

Hazardous Ingredients	Cas #	Weight %
2-aminoethanol	141-43-5	5 - 10%
2-butoxyethanol	111-76-2	5 - 10%
Proprietary Blend	Trade Secret	5 - 10%

Specific chemical identity and/or exact percentage of components has been withheld in accordance with a trade secret claim according to Appendix E 29 CFR 1910.1200.

### SECTION 4: FIRST-AID MEASURES

#### First Aid Measures

<b>General Advice:</b>	Harmful if swallowed. Causes severe skins burns and eye damage.
<b>Eye Contact:</b>	Immediately flush with cool running water for at least 15 minutes while holding eyelids apart. Do not rub affected area. Remove contact lenses if applicable.
<b>Skin Contact:</b>	Wash off immediately with soap and water while removing all contaminated clothes and shoes.

**Ingestion:** If swallowed, may cause burning of the mouth, throat and stomach. Call immediately for medical assistance. DO NOT induce vomiting. Rinse mouth with water, then drink 1-2 glasses of water. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air.

### **Most Important Symptoms and Effects**

**Symptoms:** Severe burns to eyes and skin. Symptoms may include stinging, tearing, redness, swelling and blurred vision.

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

**Note to Physician:** Product is a corrosive material. Treat symptomatically.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **Flammable Properties**

**Flammability:** Not considered to be a fire hazard.

**Explosive Prop:** Not considered to be an explosive hazard.

### **Extinguishing Media**

**Suitable:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable:** No information available.

### **Specific Hazards Arising from Chemical**

**Hazards:** During fire, gases hazardous to health may be formed.

### **Protective equipment and precautions for fire-fighters**

**Fire-Fight Method:** In the event of a fire, 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**

**Personal Precautions:** Evacuate personnel to safe areas. Isolate hazard area and deny entry. Stay upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes or clothing.

**Environ. Precautions:** Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.

**Clean-Up Method:** Soak-up with inert absorbent material and place into appropriate container for disposal. Clean contaminated area thoroughly with water. Prevent product from entering drains.

## **SECTION 7: HANDLING AND STORAGE**

**Handling:** Use personal protective equipment when needed. Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking, or smoking. Remove contaminated clothes and wash before reuse. Use in a ventilated area.

**Storage:** Store in closed containers in cool, dry, well-ventilated area. Avoid overheating or freezing. Keep in properly labeled containers and out of reach of children.

**Incomp. Materials:** Acids. Oxidizing agents.

## **SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

### **Exposure Guidelines**

<b>Hazardous Chemical</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
2-aminoethanol	No information available	No information available
2-butoxyethanol	50 ppm	20 ppm
Proprietary Blend	No information available	No information available

### **Appropriate Engineering Controls**

**Eng. Controls:** Ensure adequate ventilation, especially in confined areas.

### **Personal Protection Equipment (PPE)**

**Eyes:** Recommend safety goggles or shield.

**Respiratory:** Not usually necessary where ventilation is sufficient.

**Skin:** Avoid skin contact. Recommend chemical resistant gloves.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State:</b>	Liquid	<b>Freezing Point:</b>	Not determined
<b>Appearance:</b>	Clear Liquid	<b>Boiling Point:</b>	Not determined
<b>Color:</b>	Colorless	<b>Evaporation Rate:</b>	Not determined
<b>Odor:</b>	Odorless	<b>Vapor Pressure:</b>	Not determined
<b>Odor Threshold:</b>	No information available	<b>Vapor Density:</b>	Not determined
<b>pH:</b>	11 - 12	<b>Relative Density:</b>	Not determined
<b>Flash Point:</b>	Not determined	<b>Flammability:</b>	Not determined
<b>Water Solubility:</b>	Soluble in water	<b>Explosive Limits:</b>	Not determined
<b>Viscosity:</b>	Not determined	<b>Part. Coefficient:</b>	Not determined
<b>Specific Gravity:</b>	1.002 - 1.005	<b>Auto-ignition Temp:</b>	Not determined
<b>Melting Point:</b>	Not determined	<b>Decomp. Temp:</b>	Not determined

**SECTION 10: STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under ordinary conditions of use and storage.
<b>Haz. Decomposition:</b>	Thermal decomposition can lead to release of irritating gases and vapors.
<b>Haz. Polymerization:</b>	No information available.
<b>Incompatibilities:</b>	Acids. Oxidizing agents.
<b>Conditions to Avoid:</b>	Heat, moisture and incompatibles.

**SECTION 11: TOXICOLOGY INFORMATION****Component Information**

Hazardous Chemical	LD50 Oral	LD50 Dermal
2-aminoethanol	1515 mg/kg (rat)	2504 mg/kg (rabbit)
2-butoxyethanol	1,300 mg/kg (rat)	> 2,000 mg/kg (rat)
Proprietary Blend	No information available	No information available

**Potential Health Effects**

<b>Exposure Routes:</b>	Eye Contact, Dermal Contact, Ingestion, Inhalation
<b>Acute Toxicity:</b>	
<b>Eyes:</b>	Causes eye irritation with tearing, redness, and impaired vision.
<b>Skin:</b>	Causes skin irritation, redness, and itching. May cause chemical burns.
<b>Ingestion:</b>	Harmful if swallowed. Corrosive to mucous membranes, esophagus and stomach.
<b>Inhalation:</b>	Respiratory irritant.
<b>Chronic Effects:</b>	Avoid repeated exposure. May aggravate pre-existing medical conditions including eye, skin and respiratory disorders.
<b>Carcinogenicity:</b>	Not classifiable as a human carcinogen by OSHA, NTP or IARC.

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

Hazardous Chemical	Toxicity to Fish	Toxicity to Invertebrates
2-aminoethanol	349 mg/l (96 h: Cyprinus carpio)	65 mg/l (48 h: Daphnia magna)
2-butoxyethanol	1,474 mg/l (96 h: Oncorhynchus mykiss)	1,550 mg/l (48 h: water flea)
Proprietary Blend	No information available	No information available

**Environmental Toxicity**

<b>Biodegradation:</b>	No information available.
<b>Persistence:</b>	No information available.
<b>Bioaccumulation:</b>	No information available.
<b>Mobility:</b>	No information available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Recover or recycle if possible. Disposal should be in compliance with applicable federal, state, and local regulations. Do not dispose of in the environment, in sewage, and/or in drains.

**Container:** Drain contaminated container thoroughly. Do not reuse container.

**SECTION 14: TRANSPORT INFORMATION**

*Transport in accordance with all federal, state, and local regulations.*

**DOT**

**Proper Name:** NA  
**Hazard Class:** NA  
**UN Number:** NA  
**Packing Group:** NA  
**Special Provisions:** Not regulated as a dangerous good.

**SECTION 15: REGULATORY INFORMATION****US Federal Regulations**

**TSCA Status:** All components of this product are listed or exempt from listing on TSCA inventory.

**CERCLA Reportable Quantity:** None

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

Hazardous Chemical	California Proposition 65
None	

**Section 311/312 Hazard Category**

<b>Acute Health Hazard:</b>	111-76-2	2-butoxyethanol	5 - 10%
<b>Chronic Health Hazard:</b>	No		
<b>Fire Hazard:</b>	111-76-2	2-butoxyethanol	5 - 10%
<b>Sudden Release of Pressure:</b>	No		
<b>Reactive Hazard:</b>	No		
<b>Section 313 Toxic Chemicals</b>	111-76-2	2-butoxyethanol	5 - 10%

**SECTION 16: OTHER INFORMATION**

**Prepared by:** Health and Safety Department

**Contact Number:** 1-800-633-3914

**Issue Date:** 9/4/2018

**Revision Date:** 9/4/2018

**Revision Note:** New Product

**Version:** 1

**Disclaimer:** The information provided in this Safety Data Sheet has been obtained from sources believed to be reliable. This information is offered for your information, consideration, and investigation. HOWCO cannot anticipate all conditions under which this information and its product may be used. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. It is the user's responsibility to assume liability for loss, injury, damage or expense due to improper use.

End of Safety Data Sheet