



**Product Name:** De-Bug  
**Date:** 6/16/2015

**SECTION 1 IDENTIFICATION**

**Supplier:** Phoenix Products Company  
55 Container Drive  
Terryville, CT 06786  
(860) 589-7502

**Distributor:**

**U.S. PERS Emergency Telephone:** 1-800-633-8253

**Product Name:** De-Bug

**Synonyms:** Not available

**Chemical Name:** Ethoxylated alcohols

**Chemical Formula:** Not available

**CAS Number:** Not available

**Product Use:** Eliminates floating and diving insects from swimming pool water surfaces.

**SECTION 2 HAZARDS IDENTIFICATION**

**Emergency Overview**

**OSHA Regulatory Status:** This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

-May be harmful if swallowed. May cause skin irritation.

-Do not ingest. Avoid contact with skin and clothing. Wash thoroughly after handling.

**Routes of Entry:** Absorbed through skin. Dermal contact. Eye contact.

**SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS**

<b><u>Component</u></b>	<b><u>CAS Number</u></b>	<b><u>Percent</u></b>
Ethoxylated Alcohols	Proprietary	20%-25%

**SECTION 4 FIRST-AID MEASURES**

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 30 minutes. Cold water may be used. Get medical attention.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Medical Conditions Aggravated by Overexposure:** Repeated or prolonged exposure is not known



to aggravate medical condition.

SECTION 5 **FIRE FIGHTING MEASURES**

**Flammability of the Product:** May be combustible at high temperature.

**Flash Point:** Closed cup: >93.3°C (199.9°F). (Pensky-Martens)

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>).

**Fire Fighting Media and Instructions:** SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

SECTION 6 **ACCIDENTAL RELEASE MEASURES**

**Small Spill and Leak:** Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill and Leak:** Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7 **HANDLING AND STORAGE**

**Handling:** Do not ingest. Avoid contact with skin and clothing. Wash thoroughly after handling.

**Storage:** Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 8 **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines:** No exposure standards allocated.

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Personal Protective Equipment:**

**Eye/Face Protection:** Safety glasses.

**Body Protection:** Lab coat.

**Respiratory Protection:** Wear appropriate respirator when ventilation is inadequate.

**Hand Protection:** Gloves.

**Foot Protection:** Suitable protective footwear.

**Personal Protection in Case of a Large Spill:** Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.



SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Colorless liquid  
**Odor:** Slight  
**pH:** 5-9 (Conc. (% w/w): 1) [Neutral.]  
**Cloud Point** 130°F-140°F  
**Density:** 1.014 g/cm<sup>3</sup> (25°C/77°F)  
**Evaporation Rate:** 0.36 (water) compared to Butyl acetate.  
**Solubility:** Soluble in cold water.  
**Dispersion Properties:** See solubility in water.

SECTION 10 **STABILITY AND REACTIVITY**

**Stability and Reactivity:** The product is stable.  
**Hazardous Polymerization:** Will not occur.

SECTION 11 **TOXICOLOGICAL INFORMATION**

**Toxicity to Animals**

Ingredient Name or Product Name	Test	Result	Route	Species
Alcohol ethoxylate component 2	LD50	1378 mg/kg	Oral	Rat
	LD50	5000 mg/kg	Dermal	Rabbit

**Acute Effects Skin:** Moderately irritating to the skin.  
**Acute Effects Eyes:** Moderately irritating to the eyes.

SECTION 12 **ECOLOGICAL INFORMATION**

**Ecotoxicity**

Ingredient Name or Product Name	Species	Period	Result
Ethoxylated alcohol. 1	Based on data for: (similar material)(LD50)	96 hour(s)	5 to 10 mg/l
	Based on data for: (similar material)(EC50)	48 hour(s)	>10 mg/l
	Based on data for: (similar material)(EC50)	72 hour(s)	>10 mg/l
Ethoxylated alcohol. 2	Oncorhynchus mykiss based on data for: (similar material)(LC50)	96 hour(s)	2.4 mg/l
	Based on data for: (similar material)(EC50)	72 hour(s)	4.5 mg/l
	Nitrifying bacteria (based on data for similar material)(EC50)	4 hour(s)	410 mg/l

**Biodegradability and Ecotoxicity Remarks:**

**Ethoxylated Alcohol. 1:** >60% BOD, 28 days, Closed bottle test (OECD 301D)  
**Ethoxylated Alcohol. 2:** >60% BOD, 28 days, Modified Sturm Test (OECD 301B)

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

SECTION 13 **DISPOSAL CONSIDERATIONS**



**Waste Information:** Waste must be disposed of in accordance with federal, state and local environmental control.

**RCRA Classification:** It is in our opinion this product is not a RCRA hazardous waste. It is the generator's responsibility to make their own determinations as to the RCRA status of waste they generate.

SECTION 14 **TRANSPORTATION DATA**

**DOT:** Not Regulated  
**TDG:** Not Regulated  
**MEX:** Not Regulated  
**IMDG:** Not Regulated  
**IATA:** Not Regulated

SECTION 15 **REGULATORY INFORMATION**

**HCS Classification:** Irritating material.

**U.S. Federal Regulations**

**TSCA:** All intentionally present components are listed on the TSCA inventory.

**DSL:** All intentionally present components are listed on the DSL.

**TSCA 5(a)2 final significant rules:** No products were found.

**CERCLA: Hazardous substances:** No products were found.

**SARA 302/304/311/312 extremely hazardous substances:** No products were found.

**SARA 302/304 emergency planning and notification:** No products were found.

**SARA 302/304/311/312 hazardous chemicals:** BEROL® 609

**SARA 311/312 SDS distribution – chemical inventory – hazard identification:** BEROL® 609:  
Immediate (Acute) Health Hazard

**SARA 313 Form R Reporting Requirements:** No products were found.

**SARA 313 Supplier Notification:** No products were found.

**State Regulations:** No products were found.

**California prop. 65:** No products were found.

**WHMIS (Canada):** Class D-2B: Material causing other toxic effects (TOXIC).  
CEPA DSL: Ethoxylated alcohol. 1; Ethoxylated alcohol. 2; water

SECTION 16 **ADDITIONAL INFORMATION**

<b>Hazardous Material Information System (U.S.A.)</b>	
Health	2
Fire Hazard	1
Physical Hazard	0
Personal Protection	

<b>National Fire Protection Association (U.S.A.)</b>	
Health	2
Fire Hazard	1
Reactivity	0
Specific Hazard	



SAFETY DATA SHEET  
De-Bug - 3108

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Date: 6/16/2015  
Phoenix Products Company