

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME</b>	BUG-B-OFF		
<b>PRODUCT CODE</b>	<b>BUG-B-OFF</b>	<b>DISTRIBUTOR</b>	Myers Supply, Inc.
		<b>STREET ADDRESS</b>	831 Third St.
<b>ISSUE DATE</b>	02/23/05	<b>CITY, STATE ZIP</b>	Hot Springs, AR 71913
<b>SUPERCEDES</b>	10/03/02	<b>PHONE</b>	(501) 623-7742

### EMERGENCY TELEPHONE NUMBER

1-888-627-8740

## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

### EXPOSURE LIMITS

HAZARDOUS INGREDIENTS	CAS No.	OSHA PEL/TLV	ACGIH TLV	STEL	OTHER LIMITS
Butoxyethanol	111-76-2	25 ppm	25 ppm	NA	NA
Sodium Metasilicate	6834-92-0	NE	NE	NE	NA

## SECTION 3 – HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW** Cause irritation to eyes, skin, and respiratory tract.

### POTENTIAL HEALTH EFFECTS

<b>INGESTION</b> .....	Irritation and central nervous system effects as note in sec II
<b>INHALATION</b> .....	Irritation and central nervous system effects as noted in sec II
<b>EYE CONTACT</b> .....	Burns
<b>SKIN CONTACT</b> .....	Irritation, defatting of skin

## SECTION 4 – FIRST AID MEASURES

<b>INGESTION</b>	Drink large quantities of water. INDUCE VOMITING. <b>See a physician immediately.</b>
<b>INHALATION</b>	Remove victim to fresh air. Do not return until mists have dissipated.
<b>EYE CONTACT</b>	Flush with water for 15 minutes while holding lids open. See a physician.
<b>SKIN CONTACT</b>	Flush with water. Remove contaminated clothing and do not re-wear until washed. If irritation persists, see a physician.
<b>NOTE TO PHYSICIAN</b>	Treatment based on judgment of the physician in response to reactions of the patient.

## SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT / METHOD	NA	FLAMMABLE LIMITS	LEL – NA	UEL –NA
% VOLATILE	NA			
EXTINGUISHING MEDIA		Dry chemical, water mist, alcohol foam		
SPECIAL FIRE FIGHTING PROCEDURES		Firefighters should wear a self-contained breathing apparatus as in all chemical fires.		
FIRE AND EXPLOSION HAZARDS		None		

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Stop leak. Dilute spilled material with dilute acetic acid (vinegar) to less than pH 10.
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## SECTION 7 – HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store in a cool, dry place.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTIONS

HYGIENIC PRACTICES	Normal procedures for good hygiene. Observe label precautions. Use personal protection equipment.
ENGINEERING CONTROLS	Use general mechanical ventilation to remove vapors at the source. Eyewash station is recommended.** OR **Use local exhaust to remove vapors at the source. Eyewash station is recommended.

X	RESPIRATOR	Not required
X	GOGGLES / FACE SHIELD	Chemical splash
	APRON	Not required
X	GLOVES	Required; chemical resistant type
	BOOTS	Not required

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Fluro Yellow	BOILING POINT	>212° F
ODOR	Mild solvent odor	VAPOR PRESSURE	NA
pH	11.6	VAPOR DENSITY	NA
SPECIFIC GRAVITY	1.07	EVAPORATION RATE (butyl acetate=1)	<1
SOLUBILITY IN WATER	Complete		

## SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY	STABLE	X	UNSTABLE
CONDITIONS TO AVOID	No special precautions beyond standard safe industrial practices.		
INCOMPATIBILITY	Strong acids and oxidizing agents		

**HAZARDOUS PRODUCTS  
OF DECOMPOSITION  
POLYMERIZATION  
CONDITIONS TO AVOID**

Oxides of carbon  
**WILL NOT OCCUR** X  
Elevated temperatures

**MAY OCCUR**

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**CARCINOGENICITY**

THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN.  
X THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910,Z.

**OTHER EFFECTS**

**ACUTE** Central nervous system depression, headache, nausea, dizziness, and coughing. Severely irritating to eyes and will defat skin.  
**CHRONIC** Chronic exposure to Butoxyethanol may cause damage to the liver, kidney, and blood forming organs.  
**ORAL LD/50** Unknown

**SECTION 12 – DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL** Diluted material may be flushed to sewer.

**SECTION 13 – TRANSPORT INFORMATION**

<b>DOT CLASSIFICATION</b>	<b>HAZARDOUS</b>	<b>NOT HAZARDOUS</b>	X
<b>DESCRIPTION</b>	NA		
<b>HM CODE</b>	000		

**SECTION 14 – OTHER INFORMATION**

**HMIS CLASSIFICATION**

2	<b>BLUE</b>	HEALTH HAZARD
0	<b>RED</b>	FLAMMABILITY
0	<b>YELLOW</b>	REACTIVITY
Alk	<b>WHITE</b>	SPECIAL HAZARD

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