

Issue Date 14-Dec-2012

Revision Date: 01-May-2024

Version 1.3

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Maxim Big Orange

**Other Means of Identification**

**Product Code** 056000

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

**Recommended Use** Degreaser cleaner concentrate. For industrial & institutional use.

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

Midlab, Inc.  
140 Private Brand Way  
Athens, TN 37303

**Emergency Telephone Number**

**Company Phone Number** Phone: 1-423-337-3180  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Orange

**Physical State** Liquid

**Odor** Orange

**Classification**

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2 Sub-Category A
Skin sensitization	Category 1

**Hazards Not Otherwise Classified (HNOC)**

May be harmful if swallowed.

**Signal Word**

**Warning**



**Hazard Statements**

Causes skin irritation.  
Causes serious eye irritation.  
May cause an allergic skin reaction.

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves / eye protection.  
Avoid breathing mist / spray.

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.  
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.  
If skin irritation or rash occurs: Get medical advice/attention.  
Specific Treatment: Remove from exposure and treat symptoms.

**Precautionary Statements – Storage**

No other means specified.

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant.

### **Other Hazards**

Harmful to aquatic life with long lasting effects.

Harmful to aquatic life.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Butoxyethanol	111-76-2	3-7
Tetrasodium EDTA	64-02-8	1-5
Benzenesulfonic Acid, C10-16-Alkyl Derivs., Sodium Salts	68081-81-2	1-5
Limonene	5989-27-5	0.1-1

\*\*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. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice/attention if irritation persists.
<b>Skin Contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if necessary.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. If any discomfort persists, obtain medical attention.

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

<b>Symptoms</b>	Causes serious eye irritation. Causes skin irritation. May cause an allergic skin reaction. Prolonged or repeated exposure can remove natural skin oils and may produce irritation.
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### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

<b>Notes to Physician</b>	Treat symptomatically. May aggravate pre-existing skin disorders and pulmonary diseases.
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## **5. FIRE-FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO2). Water. Foam.

### **Unsuitable Extinguishing Media**

Not determined.

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

None known.

### **Hazardous Combustion Products**

Normal products of combustion.

### **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**

<b>Personal Precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
<b>Environmental Precautions</b>	Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information. See Section 12 for additional Ecological Information.

**Methods and Material for Containment and Cleaning Up**

<b>Methods for Containment</b>	Prevent from spreading or entering drains, ditches, or rivers by using sand, earth, or other appropriate barriers.
<b>Methods for Clean-Up</b>	Safety glasses and gloves should be worn when cleaning up spillage. Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic.

**7. HANDLING AND STORAGE****Precautions for Safe Handling**

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes, or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not breathe dust/fume/gas/mist/vapors/spray.
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**Conditions for Safe Storage, including any Incompatibilities**

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry, and well-ventilated place. Protect from freezing. Keep out of the reach of children. Store locked up.
<b>Incompatible Materials</b>	Acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Butoxyethanol 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**

<b>Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas. Good general room ventilation should be adequate under normal use conditions.
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**Individual Protection Measures, such as Personal Protective Equipment**

<b>Eye/Face Protection</b>	Use chemical splash goggles or glasses as necessary to prevent contact.
<b>Skin and Body Protection</b>	Chemical resistant, impermeable gloves. Wear suitable protective clothing.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	Orange
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Orange		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
pH	13.0-13.5	
Melting Point/Freezing Point	~ 0 °C / 32 °F	
Boiling Point/Boiling Range	~ 100 °C / ~212 °F	
Flash Point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-not applicable	
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.06	
Water Solubility	Completely soluble	@ 25 °C (77 °F)
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	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**

Keep out of reach of children. Keep from freezing.

**Incompatible Materials**

Acids.

**Hazardous Decomposition Products**

Normal products of combustion.

**11. TOXICOLOGICAL INFORMATION****Information on Likely Routes of Exposure****Product Information**

<b>Eye Contact</b>	Causes serious eye irritation
<b>Skin Contact</b>	Causes skin irritation.
<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Butoxyethanol 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
Tetrasodium EDTA 64-02-8	= 10 g/kg (Rat)	-	-
Benzenesulfonic Acid, C10-16-Alkyl Derivs., Sodium Salts 68081-81-2	> 2000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Limonene 5989-27-5	-	> 5 g/kg (Rabbit)	-

**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**

**Sensitization** May cause an allergic skin reaction.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested. Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Butoxyethanol 111-76-2	A3	Group 3		
Limonene 5989-27-5		Group 3		X

*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

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

1.6% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Butoxyethanol 111-76-2	-	1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	-	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	-	610: 24 h Daphnia magna mg/L EC50
Benzenesulfonic Acid, C10-16-Alkyl Derivs., Sodium Salts 68081-81-2	-	6: 96 h Pimephales promelas mg/L LC50 static	-	6.9: 24 h Daphnia magna mg/L EC50
Limonene 5989-27-5	-	0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50	-	-

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

Chemical Name	Partition Coefficient
Butoxyethanol 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.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Limonene 5989-27-5	Toxic

**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**  
**Marine Pollutant** This material may meet the definition of a marine pollutant.

**15. REGULATORY INFORMATION**

**International Inventories**

Canada – Domestic Substances List (DSL) All ingredients are listed or exempt.  
TSCA (Toxic Substances Control Act) All ingredients are listed or exempt.

**Legend:**  
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
None listed	-	-	-

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Butoxyethanol	111-76-2	3-7	1.0

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Benzenesulfonic Acid, C10-16-Alkyl Derivs., Sodium Salts 68081-81-2	1000 lb			X

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

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

Chemical Name	State List
Butoxyethanol 111-76-2	MA, NJ, PA

AZ – Arizona Ambient Air Quality Guidelines

CT – Connecticut Hazardous Air Pollutants

CA – California Director's List of Hazardous Substances

CAP65 – California Prop 65

FL – Florida Substances List

ID – Idaho Non-Carcinogen Toxic Air Pollutants

IL – Illinois Toxic Air Contaminant- Carcinogenic

MA – Massachusetts Right to Know List

MN – Minnesota Hazardous Substances List

NJ – New Jersey Right to Know List

PA – Pennsylvania Right to Know List

RI – Rhode Island Hazardous Substances List

## 16. OTHER INFORMATION

**NEPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

2

**Flammability**

0

**Physical Hazards**

0

**Personal Protection**

Glasses, gloves

**Issue Date**

14-Dec-2012

**Revision/Review Date:**

01-May-2024

**Revision Note**

Version 1.3 Updated Section 3

**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.

**Keep Out of Reach of Children. For Industrial and Institutional Use Only.**

\*Denotes changes from last version.

**End of Safety Data Sheet**

