

Issue Date 04-Mar-2013

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Version 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Bio-Clean Drum Kit

**Other Means of Identification**

**SDS #** AI00016

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

**Recommended Use** Cleaning agent.

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

**Manufacturer Address**

Alklean Industries, Inc.  
2111 Catalina  
Pasadena, TX 77503  
281-479-5966

**Emergency Telephone Number**

**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Classification**

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2

**Signal Word**

Warning

**Hazard Statements**

Harmful if swallowed  
Causes skin irritation  
Causes severe eye irritation



**Physical State** Liquid

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Wear protective gloves/protective clothing/eye protection/face protection

**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  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards Not Otherwise Classified (HNOC)**

May be harmful in contact with skin

**Other Information**

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
2-Butoxyethanol	111-76-2	>30
Tetrapotassium pyrophosphate	7320-34-5	>15
Tetrasodium EDTA	64-02-8	>5

### 4. FIRST AID MEASURES

**First Aid Measures**

<b>Inhalation</b>	Remove to fresh air.
<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. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin Contact</b>	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/ attention.

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

**Symptoms** Contact may cause irritation and redness.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

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

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

None in particular.

**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.

**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** Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible Materials** Strong acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-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**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

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

**Eye/Face Protection** Wear approved safety goggles where a splash hazard exists.

**Skin and Body Protection**      Wear suitable protective clothing.

**Respiratory Protection**      Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations**      Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Not determined
<b>Appearance</b>	Not determined	<b>Odor threshold</b>	Not determined
<b>Color</b>	Not determined		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting point/freezing point	Not determined	
Boiling point/boiling range	Not determined	
Flash point	Not determined	
Evaporation rate	Not determined	
Flammability (solid, gas)	n/a-liquid	
Flammability limits in air		
Upper flammability limits	Not determined	
Lower flammability limit	Not determined	
Vapor pressure	Not determined	
Vapor density	Not determined	
Specific gravity	Not determined	
Water solubility	Soluble in water	
Solubility in other solvents	Not determined	
Partition coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic viscosity	Not determined	
Explosive properties	Not determined	
Oxidizing Properties	Not determined	

### Other Information

## 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.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

Strong acids.

**Hazardous Decomposition Products**

None known based on information supplied.

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

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

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
2-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
Tetrapotassium pyrophosphate 7320-34-5	-	> 4640 mg/kg ( Rabbit )	-
Sodium Hexametaphosphate 68915-31-1	= 3053 mg/kg ( Rat )	-	-
Tetrasodium EDTA 64-02-8	= 10 g/kg ( Rat )	-	-

**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** Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3		

*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- Product**

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	1226 mg/kg
<b>ATEmix (dermal)</b>	3162 mg/kg
<b>ATEmix (inhalation-gas)</b>	80645 mg/l
<b>ATEmix (inhalation-dust/mist)</b>	7.1 mg/l

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life Harmful to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-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
Tetrapotassium pyrophosphate 7320-34-5		100: 96 h Oncorhynchus mykiss mg/L LC50		100: 48 h water flea 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

**Persistence and Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

Chemical Name	Partition coefficient
2-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.

**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

#### 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*

### US Federal Regulations

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
2-Butoxyethanol - 111-76-2	111-76-2	>30	1.0

### SARA 311/312 Hazard Categories

### US State Regulations

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-Butoxyethanol 111-76-2	X	X	X

### U.S. EPA Label Information

## 16. OTHER INFORMATION

#### NFPA

#### Health Hazards

#### Flammability

#### Instability

#### Special Hazards

Not determined

Not determined

Not determined

Not determined

#### HMIS

#### Health Hazards

#### Flammability

#### Physical Hazards

#### Personal Protection

Not determined

Not determined

Not determined

Not determined

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Revision Note

New format

#### 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.

**End of Safety Data Sheet**