

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product Identifier**

Product Form : Mixture
Product Name : Bioclean
Product Code : 7131-1

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Enzyme

1.3 Details of the supplier of the safety data sheet

Twi-Laq Industries, Inc.
1345 Seneca Avenue
Bronx, NY 10474
T (718) 638-5860

1.4 Emergency telephone number

Emergency number : CHEM-TREC 1-800-424-9300

SECTION 2: Hazards Identification**2.1 Classification of the substance or mixture**

Classification (GHS-US)
Not Classified

2.2 Label Elements

GHS-US labeling
No Labeling Applicable

2.3 Other Hazards

No additional information available

2.4 Unknown Acute Toxicity

No Data Available

SECTION 3: Composition / Information on Ingredients**3.1 Substance**

Not Applicable

3.2 Mixture**SECTION 4: First Aid Measures****4.1 Description of First Aid measures**

First Aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advise (show the label where possible).
First Aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.
First Aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First Aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain blinking or redness persists.
First Aid measures after ingestion : Rinse mouth. DO NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms / injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting Measures**5.1 Extinguishing Media**

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

No additional information available

5.3 Advice for firefighters

Firefighting Instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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SECTION 6: Accidental Release Measures**6.1 Personal precautions, protective equipment and emergency procedures****6.1.1 For non-emergency personnel**

Emergency procedures : Evacuate unnecessary personnel

6.1.2 For emergency respondersProtective Equipment : Equip cleanup crew with proper protection
Emergency procedures : Ventilate area.**6.2 Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up. : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

SECTION 7: Handling and Storage**7.1 Precautions for safe handling**

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep closed when not in use.

Incompatible Products : Strong bases. Strong acids.

Incompatible Materials : Sources of ignition. Direct sunlight.

7.3 Specific end use(s)

No additional information available

SECTION 8: Exposure controls / personal protection**8.1 Control parameters**

No additional information available

8.2 Exposure controls

Personal Protective Equipment : Avoid unnecessary exposure.

Hand Protection : Wear protective gloves.

Eye Protection : Chemical goggles or safety glasses

Respiratory Protection :
: Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.

Other Information : Do not eat, drink or smoke during use.

Engineering Controls : Provide good general ventilation. If work practices generate dust, fumes, gas, vapors, or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**Physical state : Liquid
Color : Yellow
Odor : Lemon / Citrus
Odor Threshold : No data available
pH : 5-7
Evaporation rate (butyl acetate=1) : No data available
Melting Point : No data available
Freezing Point : No data available
Boiling Point : 212° - 220°F
Flash Point : ≥ 220°F
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : No data available
Vapor Pressure : No data available
Relative vapor density @ 20 °C : Similar to water
Relative density : 1,006
Solubility : Soluble in Water
Log Pow : No data available
Log Kow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive Properties : No data available
Oxidizing Properties : No data available
Explosive Limits : No data available

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SECTION 10: Stability and Reactivity**10.1 Reactivity**

This material is considered to be non-reactive under normal conditions of use.

10.2 Chemical Stability

Stable under normal Conditions

10.3 Possibility or hazardous reactions

Not established

10.4 Conditions to avoid

Direct sunlight. Extremes of temperature.

10.5 Incompatible materials

Strong acids. Strong bases

10.6 Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological Information**11.1 Information on toxicological effects**

Acute Toxicity	: Not classified
Skin corrosion / irritation	: Not classified (pH 5-7)
Serious eye damage / irritation	: Not classified (pH 5-7)
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive Toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological Information**12.1 Ecotoxicity**

No additional information available

12.2 Persistence and degradability

Bioclean	
Persistence and degradability	Not established

12.3 Bioaccumulative potential

Bioclean	
Bioaccumulative potential	Not established

12.4 Mobility in soil

No additional information available

12.5 Other adverse effects

Effect on ozone later	: No information available
Effect on the global warming	: No known ecological damage caused by this product
Other information	: Avoid release to the environment.

SECTION 13: Disposal Considerations**13.1 Waste Treatment Methods**

Disposal of Wastes	: Dispose of in a safe manner in accordance with federal, state and local regulations
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport Information

DOT	: Not regulated
Proper Shipping name	: Non-Hazardous Products

Additional Information

Other information : No supplementary information available.

ADR	
Transport documentation description	: Cleaning Compounds
Transport by sea	: No additional information available
Air transport	: No additional information available

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SECTION 15: Regulatory Information

15.1 US Federal regulations

Bioclean

Not listed on the United States TSCA (Toxic Substances Control Act)	Not established
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15.2 International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008[CLP]

Not Classified

Classification according to Directive 67/548/EEC or 1999/45/EC

Not Classified

15.2.2 National regulations

No additional information available

15.3 US State regulations

No additional information available.

SECTION 16: Other Information

Revision Date : 5/27/2015
Reasons for Revisions : No information available.
Other Information : None

HMIS III Rating

Health : 1 Slight Hazard - irritation or minor reversible injury possible
Flammability : 0 Minimal Hazard
Physical : 0 Minimal Hazard
Personal Protection : B

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