Safety Data Sheet
Bioesque Heavy Duty Cleaner & Degreaser

SECTION I - IDENTIFICATION

Product Number: BHDC 9049GO
Product Name: Bioesque Heavy Duty Cleaner & Degreaser
Chemical Family: Cleaner / Degreaser
CAS Number: 497-19-8
Date Prepared: 9/21/2015
Revision Number: 5/5/2017
Recommended Use: Industrial Use Only

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2B

WARNING!

GHS LABEL:

Hazard Statements
H315 Causes skin irritation
H320 Causes eye irritation
Safety Data Sheet
Bioesque Heavy Duty Cleaner & Degreaser

Precautionary Statements
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 IF ON SKIN: Wash with soap and water.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
P332+313 If skin irritation occurs: get medical advice/attention.
P337+313 If eye irritation persists get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS
The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS #</th>
<th>Component%</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>&lt; 3</td>
<td>mg/m³ (Total Dust)</td>
<td>mg/m³ (Restorable)</td>
</tr>
</tbody>
</table>

SECTION IV - FIRST AID MEASURES

Contact with eyes:  Flush with water for 15 minutes. Seek immediate medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact:  Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

Inhalation:  If inhaled: Remove victim to fresh air.

Ingestion:  If swallowed: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do not induce vomiting.

SECTION V - FIREFIGHTING MEASURES

Suitable Extinguishing Media:  Water fog, foam, CO2, dry chemical.

Special Fire Fighting Procedures  As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Unusual Fire Fighting Hazards:  Not determined.
SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unnecessary and unprotected personnel from entering. Put on appropriate personal protective equipment.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

Methods for Cleaning Up: Mop up or absorb onto absorbant material and collect for disposal. Dispose of contents/container to an approved waste disposal plant.

SECTION VII - HANDLING AND STORAGE

Handling and Storage: • Avoid contact with eyes.

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>Component Name</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate</td>
<td>497-19-8</td>
<td>10 mg/m³ (Total Dust)</td>
<td>5 mg/m³ (Restorable Dust)</td>
</tr>
</tbody>
</table>

Engineering Controls: Apply technical measures to comply with the occupational exposure limits. Showers. Eyewash stations. Ventilation systems.

Monitoring: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse.

Personal Protective Equipment (PPE)

Eye Protection: Safety glasses with side shields or chemical goggles.

Skin Protection: Wear protective gloves and protective clothing.

Respiratory Protection: Under normal conditions, respirator is not required.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES
### Appearance
Clear Red Liquid

### Odor
Fresh

### pH@25°C
10.5

### Melting/Freezing Point
Not Determined

### Flashpoint
Not Determined

### Specific Gravity
1.025

### Solubility
Complete

### Auto-Ignition Temperature
Not Determined

### Decomposition Temperature
Not Determined

### VOC Content
Not Determined

### Odor Threshold
Not Determined

### Boiling Range
>212°F

### Evaporation Point
Unknown

### Flammable Limits - Upper
Not Determined

### Flammable Limits - Lower
Not Determined

### Vapor Pressure
Not Determined

### Vapor Density (Air=1)
Not Determined

### Viscosity
Not Determined

---

**SECTION X - STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** Keep out of reach of children. Extreme temperatures.

**Hazardous Decomposition/Byproducts:** None known

**Hazardous Polymerization:** Will not occur.

**Polymerization Conditions to Avoid:** None

**Incompatibilities:** None known
SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible.

Inhalation: Do Not Inhale

Eye Contact: Causes eye irritation including stinging, watering and redness which may result in corneal injury.

Skin Contact: Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.

Ingestion: Harmful if swallowed.

Toxicity:

<table>
<thead>
<tr>
<th>Component Name</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Carbonate</td>
<td>Oral - Rat - 4,090 mg/kg</td>
<td>Inhalation - Rat - 2 h - 5,750 mg/l</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reproductive Effects</th>
<th>Teratogenicity</th>
<th>Mutagenicity</th>
<th>Embryotoxicity</th>
<th>Sensitization to Product</th>
<th>Synergistic Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.

Degradability: Information not available.

BioAccumulation: Information not available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, State, and local regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Non Regulated Material by DOT
## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:**

The components of this product are listed on the TSCA Inventory

### SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

<table>
<thead>
<tr>
<th>Acute</th>
<th>Chronic</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactive</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
<td>N/A</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

### CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

### CALIFORNIA PROPOSITION 65:

No chemicals in this material are subject to the reporting requirements.

## SECTION XVI - OTHER INFORMATION

**HMIS Health:** ............ 1  
**HMIS Flammability:** ...... 0  
**HMIS Reactivity:** ............ 0  

**Additional:**