Safety Data Sheet

1. Product and Company Identification

Product Identifier: BioRem-2000 Water Treatment - Sludge
General Use: Designed to reduce sludge levels in waste water treatment operations.
Product Description: Amber liquid
Manufacturer: Clift Industries, Inc.
PO Box 471578
Charlotte, NC 28247
704-752-0031

2. Hazards Identification

Classification: Acute toxicity, Oral, Dermal, Inhalation Category 5
Eye Irritation, Category 2B
Signal Word: Warning!

Hazard Statement: H303+H313 Maybe harmful if swallowed, in contact with skin or if inhaled.
H304: Causes eye irritation.

Precautionary Statements: Prevention:
P264 Wash hands thoroughly after handling.

Precautionary Statements: Response:
P204+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304+340+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+352+338 IF ON SKIN: Wash with plenty of 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. Continue rinsing.

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aqua</td>
<td>7732-18-5</td>
<td>70-90</td>
</tr>
<tr>
<td>Microbes</td>
<td>Proprietary</td>
<td>1-5</td>
</tr>
<tr>
<td>Enzymes</td>
<td>Proprietary</td>
<td>1-5</td>
</tr>
<tr>
<td>Nutrients</td>
<td>Proprietary</td>
<td>1-5</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Eye Contact: Flush eyes for fifteen minutes with water. If irritation persists, contact a physician.
Skin Contact: Wash with soap and water. If irritation persists, contact a physician.
Inhalation: Not normally required. Move to fresh air. If symptoms persist, get medical attention.
Ingestion: Not normally required. Contact a physician if ingested.

5. Fire Fighting Measures

Extinguishing Media: Unused Form: Water spray, dry chemical, or carbon dioxide. Used Form: That which is compatible to liquid (s) absorbed.
Special Fire Fighting Procedures: None required.

6. Accidental Release Measures

Spill or Leak Procedures: If material is unused, collect and recover for reuse. Wear protective equipment. Not a listed hazardous waste.

7. Handling and Storage

Handling Precautions: Avoid contact with skin and eyes. Do not swallow. Wash hands thoroughly after handling.
Storage Precautions: Store in cool, dry area. Prevent product from freezing. Keep out of reach of children. Shelf life: 3 years as long as the product is kept in a clean, dry environment away from direct sunlight and/or excessive heat.
General: Refer to absorbed liquid(s) MSDS(s). Follow label directions carefully. Make sure all containers are labeled properly. The container can be hazardous when empty. Follow label caution even after the container is empty. Do not re-use empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

8. Exposure Controls/Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.
PERSONAL PROTECTION
Eyes: Safety goggles or glass with side shields
Respirator: NIOSH/MSHA approved respirator when ventilation is inadequate.
Gloves: Impervious gloves.
Other: Maintain eyewash and safety shower in work area.

OSHA HAZARDOUS COMPONENTS
(29 CFR 1910.1200):

<table>
<thead>
<tr>
<th>Exposure Limit</th>
<th>TWA (ppm)</th>
</tr>
</thead>
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<tr>
<td>OSHA PEL</td>
<td>ACGIH TLV</td>
</tr>
</tbody>
</table>

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9. Physical/Chemical Characteristics

Appearance: Amber liquid
Odor: Bland
pH: 7
Melting Point/Freezing Point: 32°F (0°C)
Initial Boiling Point and Range: 212°F (100°C)
Flash Point: None
Evaporation Rate: Not established.
Flammable Limits: Not applicable.

10. Stability and Reactivity Data

General: This is a stable material
Conditions of Reactivity: Reacts with sodium hypochlorite or calcium hypochlorite.

Incompatible Materials: Strong oxidants
Conditions to Avoid: Excessive heat or flame.
Hazardous Decomposition: Not established.
Hazardous Polymerization: Will not occur.

11. Toxicological Data

LD50: Not established.
LC50: Not established.
Carcinogenicity: IRAC: None
National Toxicology Program: None
OSHA: None
California Prop 65: No listed ingredient

Reproduction Toxicity: Not available
Teratogenicity: Not available
Mutagenicity: Not available
Synergistic Products: Not available

12. Ecological Data

No data available

13. Disposal Considerations

Waste Disposal Method: Observe all federal, state and local regulations.

14. Transport Information

D.O.T. (Department of Transportation):
Proper Shipping Name: Non-hazardous liquid
Hazard Class: Not regulated
Identification Number: Not applicable

15. Regulatory Information

CERCLA (Comprehensive Environmental Response Compensation and Liability Act): No Reportable Quantity
SARA Title III (Superfund Amendments and Reauthorization Act): No listed ingredient.
TSCA (Toxic Substances Control Act): All ingredients are listed.

16. OTHER INFORMATION:

NFPA Hazard Rating: Health – 1
    Fire – 0
    Reactivity – 0
    PPE – B

Reason for Issue: GHS changes to Sections 2 & 3.
Prepared by: J. Pickett
Approved by: C. Matthews
Approval Date of Issue: 5/1/2015
Approval Date: 5/1/2015

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