Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Biosonic® Plaster and Stone Remover Powder Concentrate

Product Code(s): UC34, 09285

Relevant identified uses of the mixture and uses advised against: Powder concentrate is intended to be mixed with water and used in an ultrasonic tank or as a soaking solution for removal of plaster and stone from medical attachments, articulators, instruments, castings and items that cannot be sandblasted. Uses advised against: do not use with aluminum.

Synonyms: UC34

Manufacturer: Coltène/Whaledent Inc.
235 Ascot Parkway
Cuyahoga Falls, OH 44223 / USA
Phone: 1 330 916 8800
Fax: 1 330 916 7077
info.us@coltene.com

Authorized EC Representative: Coltène/Whaledent GmbH + Co. KG
235 Ascot Parkway
Cuyahoga Falls, OH 44223 / USA
Phone: 49 7345 805 0
Fax: 49 7345 805 201
info.de@coltene.com

Emergency Contact Number:
USA & Canada: 1 800 535 5053

Copies of this SDS can be found at www.coltene.com

Section 2: HAZARDS IDENTIFICATION

Classifications: Eye Damage 1, Acute Toxicity 4

Contains: Tetrasodium Ethylene Diamine Tetraacetate (EDTA), Sodium Xylenesulphonate

Route(s) of Exposure: Dermal, Eye, Inhalation, Ingestion

PBT/vPvB Assessment: This product does not contain persistent, bioaccumulative and toxic chemicals (PBT’s) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB’s).
 section 3: composition / information on ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS</th>
<th>EC number</th>
<th>Percent (w/w%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrasodium Ethylene Diamine Tetraacetate (EDTA)</td>
<td>64-02-8</td>
<td>200-573-9</td>
<td>80-90</td>
</tr>
<tr>
<td>Sodium Xylenesulphonate</td>
<td>1300-72-7</td>
<td>215-090-9</td>
<td>1-5</td>
</tr>
</tbody>
</table>

section 4: first aid measures

Inhalation: Move victim to fresh air. Call 911 or emergency medical service. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.

Eyes: Irrigate exposed eyes with copious amounts of room temperature water for at least 15 minutes. If irritation, pain, swelling, lacrimation, or photophobia persist, the patient should be seen in a health care facility.

Skin: Remove contaminated clothing and wash exposed area thoroughly with soap and water. A physician may need to examine the area if irritation or pain persists.

Ingestion: Do not induce vomiting, give water if conscious and contact a physician.

section 5: fire fighting measures

Extinguishing Media: Water, CO₂, dry chemical, or foam are acceptable extinguishing media.

Specific Hazards Arising from the Chemical: None

Protective Equipment and Precautions for Firefighters: standard protection for all firefighters stated in this subsection of the SDS text should include self-contained breathing apparatus (SCBA) and full firefighting turn-out gear (Bunker gear).

Special Hazards: Dust explosion hazard. Keep dust clouds away from possible ignition sources.

section 6: accidental release measures

Personal Precautions, Protective Equipment, and Emergency Procedures: use personal protection recommended in Section 8.

Methods for Containment and Clean-up: Ventilate contaminated area, remove all sources of ignition, stop or reduce discharge if it can be done safely.

Other Information: None noted

section 7: handling and storage

Precautions for Safe Handling: use with adequate ventilation, do not use near ignition sources.

Conditions for Safe Storage, Including Incompatibilities: Keep out of reach of children. Keep away from flame sources. Keep container closed as product is hydroscopic. Avoid contact with aluminum.

section 8: exposure controls/personal protection

Component Exposure Limits:

<table>
<thead>
<tr>
<th>Component</th>
<th>Concentration</th>
<th>NIOSH REL:</th>
<th>OSHA PEL:</th>
<th>IDLH:</th>
<th>AIHA WEEL</th>
<th>STEL’s</th>
<th>Notation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrasodium Ethylene Diamine Tetraacetate (EDTA)</td>
<td>80-90</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Sodium Xylenesulphonate</td>
<td>1-5</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>
Appropriate Engineering Controls: sufficient exhaust & general ventilation should be provided to keep vapor concentration below recommended levels.

Personal Protective Equipment (Eyes and Face): wear safety goggles or face shield.

Personal Protective Equipment (Skin): wear protective gloves

Personal Protective Equipment (Respiratory): Avoid breathing dust. Keep dust away from ignition sources.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

- **Appearance:** White powder
- **Odor:** none
- **pH:** 1% Solution 10.5 – 11.5
- **Melting Point:** No data
- **Specific Gravity:** No data
- **Octanol / H₂O Coefficient:** No data
- **Molecular Weight:** No data
- **Auto Ignition:** No data
- **Flash Point:** No data
- **Vapor Density:** No data
- **VOC:** No data
- **Appearance:** White powder
- **Odor:** none
- **pH:** 1% Solution 10.5 – 11.5
- **Melting Point:** No data
- **Specific Gravity:** No data
- **Octanol / H₂O Coefficient:** No data
- **Molecular Weight:** No data
- **Auto Ignition:** No data
- **Flash Point:** No data
- **Vapor Density:** No data
- **VOC:** No data

**Section 10: STABILITY AND REACTIVITY**

- **Reactivity:** Reactive with oxidizing agents and Acids
- **Chemical Stability:** chemically stable
- **Possibility of Hazardous Reactions:** this product is not known to be susceptible to chemical reactions that can result in undesirable effect(s).
- **Conditions to Avoid:** Strong acids and bases
- **Incompatibility:** Aqueous solution will emit hydrogen on contact with aluminum
- **Hazardous Decomposition Products:** None

**Section 11: TOXICOLOGICAL INFORMATION**

- **Likely Routes of Exposure:** Dermal, Eye, Inhalation, Ingestion
- **Hazardous Component:** Sodium Xylenesulphonate, Tetrasodium Ethylene Diamine Tetraacetate
- **Toxicity:** The severity of the tissue damage is a function of its concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur. This material is a strong irritant and is corrosive to the eyes, and mucous membranes.
  - **Eye Contact:** irritation, pain, swelling, lacrimation, or photophobia persist
  - **Skin Contact:** essentially nonirritating to skin.
  - **Ingestion:** may cause irritation to digestive tract.
  - **Inhalation:** respiratory tract irritation is expected upon inhalation.
- **Sensitization:** not a sensitizer.
Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data
Persistence / Degradability: This material degrades rapidly in the environment
Bioaccumulative Potential: will not bioconcentrate in fish and aquatic organisms nor will it adsorb to sediment and suspended organic matter.
Mobility in Soil: moderate to high mobility in soil
Other Adverse Effects: none known.
This product does not contain persistent, bioaccumulative and toxic chemicals (PBT’s) nor does this product contain any very persistent and very bioaccumulative chemicals (vPvB’s).

Section 13: DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with federal, state and local regulations.
Additional Disposal Considerations: Dispose if shelf-life has been exceeded.

Section 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping name</th>
<th>Technical Shipping Name</th>
<th>UN-No.</th>
<th>Hazard Class</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>NOT REGULATED FOR TRANSPORTATION</td>
</tr>
<tr>
<td>Sea Transport IMDG/GGV Sea</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Transport ICAO-Ti and IATA-DGR</td>
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<td></td>
</tr>
</tbody>
</table>

Section 15: REGULATORY INFORMATION

SARA Sections 302 and 304: This product does not contain Extremely Hazardous Substances (EHS) and is not subject to emergency planning requirements.
CERCLA: This product does not contain CERCLA Hazardous Substances and is not subject to reporting requirements.
SARA Section 313:
Tetrasodium Ethylene Diamine Tetraacetate  64-02-8  80-90%w/w

International Inventories:
US (TSCA): The components within this product are included on the TSCA Inventory of Chemical Substances
Canada (DSL): All ingredients are on the inventory or exempt from listing.
European Union (EINECS): All ingredients conform to the EU requirements.
Japan (ENCS): All other ingredients are on the inventory or exempt from listing.
Philippines (PICCS): All other ingredients are on the inventory or exempt from listing.
South Korea (KECL): All ingredients are on the Inventory or exempt from listing.
Australia (AICS): All ingredients are on the Inventory or exempt from listing.
New Zealand (NZIoC): All ingredients are on the Inventory or exempt from listing.
China (IECSC): All ingredients are on the Inventory or exempt from listing.
California Proposition 65: There are no chemicals within this mixture on the Proposition 65 List.

Canadian Regulations require the inclusion of the following statements under “Regulatory Information”: This product has been classified in accordance with the hazard criteria of the controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16: OTHER INFORMATION

NFPA Ratings:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<tr>
<td>Fire</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>1</td>
</tr>
</tbody>
</table>

HMIS Ratings:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
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<tr>
<td>Fire</td>
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</tr>
<tr>
<td>Reactivity</td>
<td>1</td>
</tr>
</tbody>
</table>

(NFPA and HMIS Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe)

REVISION HISTORY

<table>
<thead>
<tr>
<th>REVISION</th>
<th>DATE</th>
<th>ECN#</th>
<th>CHG BY</th>
<th>APPR BY</th>
<th>DESC. OF CHANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>09/12/14</td>
<td>14378</td>
<td>TG</td>
<td>SBL</td>
<td>Updated MSDS to GHS/SDS Format. 48234 Revision A was 48024 revision H.</td>
</tr>
</tbody>
</table>

The information and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. Coltène/Whaledent Inc., however, makes no representations as to the completeness of this information and supplies it on the condition that the persons receiving same will make their own determination as to its suitability of their purposes prior to use. In no event will Coltène/Whaledent Inc. be responsible for damages of any nature whatsoever resulting from use of or reliance upon information.