

Biosonic® Plaster and Stone Remover Powder Concentrate

Revision Date: August 2014

Internal Document Number: 48234A

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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**

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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**Labeling Elements:****Hazard Category**

Eye Damage Category 1A
Acute Toxicity 4

Signal Word:

DANGER

Hazard Statements:

Causes severe Eye Damage
Harmful if swallowed

**Prevention:**

P264 + P280 Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product. Wear eye protection.

Response:

P305 + P351 + P338 + P337 + P313 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 swallowed: contact a physician if you feel unwell. Rinse mouth.

Storage:

Keep out of the reach of children.

Disposal:

P501 Dispose of contents/container in accordance with federal, state and local regulations

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).

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Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

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

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 hygroscopic. Avoid contact with aluminum.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Component Exposure Limits:**

Component:	Concentration:	NIOSH REL:	OSHA PEL:	IDLH:	AIHA WEEL	STEL's	Notation
Tetrasodium Ethylene Diamine Tetraacetate (EDTA)	80-90	None	None	None	None	None	None
Sodium Xylenesulphonate	1-5	None	None	None	None	None	None

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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	Viscosity:	No data
Odor:	none	Odor Threshold:	No data
pH:	1% Solution 10.5 – 11.5	Boiling Point:	No data
Melting Point:	No data	Solubility (H ₂ O):	103g solid per 100g water
Specific Gravity:	No data	Density:	No data
Octanol / H ₂ O Coefficient:	No data	Evaporation Rate:	No data
Molecular Weight:	No data	Decomposition Temp:	No data
Auto Ignition:	No data	LFL:	No data
Flash Point:	No data	UFL:	No data
Vapor Density:	No data	Vapor Pressure:	No data
VOC:	No data	Flammability Class:	Nonflammable

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.

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Carcinogenicity: does not contain any substances classified as carcinogens by NTP, ACGIH, IARC or OSHA**Mutagenicity:** not mutagenic**Reproductive Toxicity:** not toxic for reproduction nor is this product teratogenic.**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**

Agency	Proper Shipping name	Technical Shipping Name	UN-No.	Hazard Class	Label
DOT	NOT REGULATED FOR TRANSPORTATION				
Sea Transport IMDG/GGV Sea					
Air Transport ICAO-Ti and IATA-DGR					

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
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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.

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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:**

Health: 1
Fire: 0
Reactivity: 1

HMIS Ratings:

Health: 1
Fire: 0
Reactivity: 1

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

REVISION HISTORY					
REVISION	DATE	ECN#	CHG BY	APPR BY	DESC. OF CHANGE
A	09/12/14	14378	TG	SBL	Updated MSDS to GHS/SDS Format. 48234 Revision A was 48024 revision H.

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.