

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

077185028

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

077184245

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072



**IDENTITY** (As Used on Label and List) **BIOSONIC DISINFECTANT  
ULTRASONIC CLEANER CONCENTRATE**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

### Section I

Manufacturer's Name WHALEDENT INC.	Emergency Telephone Number 212 696-8000
Address (Number, Street, City, State, and ZIP Code) 236 FIFTH AVE.	Telephone Number for Information 212 696-8000
NEW YORK, NEW YORK 10001	Date Prepared APRIL 4, 1990
	Signature of Preparer (optional)

### Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
SODIUM ORTHO-BENZYL PARACHLOROPHENATE				4.40
SODIUM ORTHO-PHENYLPHENATE				2.82
SODIUM PARA-TERTIARY AMYLPHENATE				2.49
ISOPROPYL ALCOHOL		400PPM		7.79

### Section III — Physical/Chemical Characteristics

Boiling Point	100°C.	Specific Gravity (H <sub>2</sub> O = 1)	1.03
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water  
COMPLETE

Appearance and Odor  
CLEAR DARK AMBER LIQUID – FLORAL ODOR

### Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) NONE	Flammable Limits N/A	LEL	UEL
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Extinguishing Media  
WATER, CARBON DIOXIDE, DRY CHEMICAL OR FOAM

Special Fire Fighting Procedures  
FIREFIGHTERS SHOULD BE MADE AWARE OF PHENO LIC CONTENTS OF THIS  
MATERIAL SO THEY CAN WEAR APPROPRIATE PROTECTION.

Unusual Fire and Explosion Hazards  
HIGHLY TOXIC GASES (CHLORINE) CAN BE EVOLVED.

**Section V -- Reactivity Data**

Stability	Unstable		Conditions to Avoid N/A
	Stable	X	

Incompatibility (*Materials to Avoid*) **STRONG ACIDS.**

Hazardous Decomposition or Byproducts **PHENOLICS, CARBON MONOXIDE, CARBON DIOXIDE, CHLORINE.**

Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

**Section VI -- Health Hazard Data**

Route(s) of Entry: Inhalation? **ACUTE** Skin? **ACUTE** Ingestion? **ACUTE**

Health Hazards (*Acute and Chronic*) **SKIN -- MAY CAUSE IRRITATION. EYES -- MAY CAUSE IRRITATION.**

**INGESTION -- HARMFUL IF INGESTED.**

**INHALATION -- CORROSIVE TO LUNGS.**

Carcinogenicity: N/A NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure **SKIN AND EYE IRRITATION. INHALATION -- LUNG IRRITATION. INGESTION -- DROWSINESS, IRREGULAR PULSE, LOSS OF CONSCIOUSNESS.**

Medical Conditions Generally Aggravated by Exposure **BREATHING PROBLEMS.**

Emergency and First Aid Procedures **INHALATION--REMOVE TO FRESH AIR, GET MEDICAL ATTENTION. SKIN--FLUSH WITH WATER FOR 15 MIN. EYES--FLUSH WITH COPIOUS AMOUNTS OF WATER. IF IRRITATION PERSISTS GET MEDICAL ATTENTION. INGESTION--DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF MILK, EGG WHITE, OR WATER. GET MEDICAL ATTENTION.**

**Section VII -- Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled **DIKE WITH SAND OR CLAY. USE ABSORBENT MATERIAL. PLACE IN DRUMS FOR DISPOSAL.**

Waste Disposal Method **DISPOSE IN APPROVED LANDFILL IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.**

Precautions to Be Taken in Handling and Storing **KEEP CONTAINER CLOSED. STORE AWAY FROM STRONG ACIDS. STORE IN COOL PLACE.**

Other Precautions **KEEP OUT OF REACH OF CHILDREN. TRIPLE RINSE CONTAINER BEFORE DISPOSAL. DO NOT REUSE CONTAINER.**

**Section VIII -- Control Measures**

Respiratory Protection (*Specify Type*) N/A

Ventilation	Local Exhaust	X	Special
	Mechanical ( <i>General</i> )		Other

Protective Gloves **RUBBER OR VINYL** Eye Protection **SAFETY GOGGLES OR FACE SHIELD**

Other Protective Clothing or Equipment **RUBBER OR VINYL APRON**

Work/Hygienic Practices **REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE.**

**1. Identification of the Substance/Preparation and of the Company/Undertakings****Product Details:**

Trade Name: BioSonic® Enzymatic Ultrasonic Cleaner Cat. No. UC32

**Manufacturer:****Coltène/Whaledent Inc.**235 Ascot Parkway  
Cuyahoga Falls, OH 44223/USA  
Fax +1 330 916 7077  
info@coltenewhaledent.com

## Authorized EU Representative

**Coltène/Whaledent GmbH+ Co. KG**Raiffeisenstrasse 30  
89129 Langenau/Germany  
Tel. +49 (0) 7345 805 0  
Fax +49 (0) 7345 805 201**Emergency Contact Numbers:**

USA &amp; Canada: +1 800 535 5053

Main Phone Number: +1 330 916 8800

**2. Composition/Information on Ingredients****Chemical Characterization:** Non-ionic detergent.**Hazardous Components**Chemical Name

Isopropanol

Weight %

&lt; 1%

Index, R/S Phrases

F, R11, S7-16

**3. Hazard Identification**

Hazard Designation: Not hazardous.

Information Pertaining to Particular Dangers for Man and Environment: None.

Classification is in Line with BC Directive 1999/45/EC: N.A.

**4. First-Aid Measures**

After Inhalation: Get to fresh air, if irritation persists, consult a physician.

After Skin Contact: Wash thoroughly with water for 15 minutes. If irritation persists, consult a physician.

After Eye Contact: Flush with water for 15 minutes. If irritation persists, consult a physician.

After Swallowing: Do not induce vomiting. Drink water to dilute and contact a physician.

**5. Fire-Fighting Measures****Flammability: Nonflammable****Flash Point: > 200°F****LEL: Not Established****UEL: Not Established**Extinguishing Media: Water, CO<sub>2</sub>, dry chemical or foam.

Unsuitable Extinguishing Media: None known.

Protective Equipment: Wear NIOSH approved self-contained breathing respirator in positive pressure mode.

**6. Accidental Release Measures**

Personal Precautions: Avoid eye contact by wearing safety goggles, avoid skin contact by wearing rubber gloves.

Environmental Precautions: Do not contaminate food or feed with this product. Keep container closed and upright when not in use.

Methods of Cleaning Up: Use absorbent material such as sand or clay, and place in drums for disposal. Small quantities may be diluted with water and flushed down the drain.

**7. Handling and Storage**

Precautions for Safe Handling: Always wear gloves and eye protection. Keep container closed when not in use.

Storage: Keep out of reach of children. Keep container closed.

**8. Exposure Controls/Personal Protection**

Components with Recommended Limits for the Work Place:

CAS No.

67-63-0

Chemical Name

Isopropanol

Weight %

&lt; 1%

Type/Value

OSHA PEL 400 ppm

Engineering Controls: Local exhaust adequate; mechanical ventilation helpful.

Work/Hygienic Protection: Wash hands and equipment after use.

Hand/Skin Protection: Wear protective gloves.

Respiratory Protection: None needed.

Eye Protection: Wear safety goggles.

**9. Physical and Chemical Properties**

Appearance: Clear orange liquid	Odor: Floral/soapy	Solubility: Infinitely soluble in water
Boiling Point: 100°C (212°F)	Flash Point: < 93.3°C (200°F)	Method: Tag closed cup
Flammability: Nonflammable	Autoflammability: No	Density: 1.03 g/cc (25°C)
Vapor Pressure: 173 mmHg (25°C)	Explosive Properties: N.K.	Explosive Limits in Air: N.K.
pH: Conc., 6 - 8 Dilute (1:128) 6 - 8	Viscosity: 65 cps	Method: Brookfield LVT#1, 30 RPM

**10. Stability and Reactivity**

Chemical Stability: Stable.	Conditions to Avoid: Strong oxidizers.
Materials to Avoid: None.	Hazardous Decomposition Products: CO.

**11. Toxicological Information**

Acute Toxicity: N.A.  
 Primary Effects to Skin: Not a primary dermal irritant.  
 Primary Effects to Eyes: Not an ocular irritant.  
 Primary Effects to Respiratory System: Not an acute inhalation hazard.  
 Sensitization: N.A.  
 Additional Toxicological Info: N.A.

**12. Ecological Information**

General Information: N.A.  
 Classification of Water Endangerment: N.A.

**13. Disposal Considerations**

Product: Not considered a RCRA hazardous waste as identified in Fed. Reg. 40CFR261. If this product cannot be used as directed by the label, contact the local Environmental Control Agency or Agent.

**14. Transportation Information**

DOT Shipping Name: Not regulated.	DOT Hazard Class: Not regulated.	UN-No.: N.A.
Sea Transport IMDG/GGV Sea Class: N.A.	UN. No.: N.A.	EmS-No: N.A.
Air Transport ICAO-Ti and IATA-DGR Class: N.A.	UN. No.: N.A.	MFGA-No: N.A.

**15. Regulatory Information**

TSCA Inventory Status: This product and/or all of its components are included on the TSCA Inventory of Chemical Substances.  
 SARA 311/312 Hazard Categories: None.  
 SARA 302 Extremely Hazardous Substances: None.  
 SARA 313 Toxic Chemicals:

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Weight %</u>
Isopropanol	67-63-0	< 1%

Classification According to EEC Guidelines: N.A.

Classification According to VBF: N.A.

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."

**16. Other Information**

Revision Summary: 11/29/2010 – Review, no changes. 10/2/07 Review No Changes. 4/28/06 Changed for consistent format. 1/12/06 Bi-annual review, changed to 1999/45/EC in section 3, 91/155/EEC changed to 2001/58/EC. 10/17/05 Bi-annual review. Updated Flammability information to show it is nonflammable instead of combustible. 5/4/05 Added EU Authorized Rep. 10/30/03 Changed to Company Format and Updated Address.

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.

## Biosonic® Enzymatic Ultrasonic Cleaning Concentrate

Issue Date: September 2014

Internal Document Number: 48232A

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### Section 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

**Product Name:** Biosonic® Enzymatic Ultrasonic Cleaning Concentrate

**Product Code(s):** UC32, 09648, 09732, 09745, 40002030, 40002030, 50007603, 50007649

**Relevant identified uses of the mixture and uses advised against:** intended for use in an ultrasonic cleaner for cleaning medical devices. Not intended for the general public. Federal law restricts this device to sale by or on the order of a physician. Uses advised against: None noted.

**Synonyms:** UC32, 3022

#### 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](mailto:info.us@coltene.com)

#### Authorized EC Representative

Coltène/Whaledent GmbH + Co. KG  
Raiffeisenstraße 30  
89129 Langenau  
Phone: 49 7345 805 0  
Fax: 49 7345 805 201  
[info.de@coltene.com](mailto:info.de@coltene.com)

#### Emergency Contact Number:

USA & Canada: 1 800 535 5053

Copies of this SDS can be found at  
[www.coltene.com](http://www.coltene.com)

### Section 2: HAZARDS IDENTIFICATION

**Classification:** Reproductive Toxicant / Category 1B, Serious Eye Irritant / Category 2

**Appearance:** Clear orange liquid, with floral / soapy odor

**Contains:** Sodium Tetraborate Decahydrate, Alkylpolyglycosides, Ethanolamine

**Route(s) of Exposure:** Ingestion, Dermal (skin/eyes), Inhalation (vapors)

#### Labeling Elements:

##### Hazard Category

Reproductive Toxicant /  
Category 1B

Serious Eye Irritant /  
Category 2

##### Prevention:

P201 P202 P281 Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

P264 + P280 Wash hands thoroughly after handling. Wear eye protection.

##### Signal Word:

DANGER

##### Hazard Statements:

H360FD: May damage fertility.  
May damage the unborn child.

H319: Causes serious eye  
irritation

##### Response:

P308 + P313 IF exposed or  
concerned: Get medical  
advice/attention.

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.

##### Storage:

P405 Store  
locked up.

##### Disposal:

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



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**Note:** This product is not required to be classified as a Reproductive Toxicant when sold within the European Union. The borax concentration is below classification thresholds according to the Regulation (EC) No 1272/2008. The classification applies for markets where national law has not established a cutoff limit for Borax.

**Other hazards which do not result in classification:** None noted

**Classification in Accordance with 67/548/EEC and 1999/45/EC:** Xi – Irritant, R36, S26 (see section 15 for full text)

**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

**Substances within the mixture contributing to the classification of:** Reproductive Toxicant / Category 1B, Serious Eye Irritant / Category 2

Substance (Synonyms)	CAS	EC Number	Index Number	Percent (w/w)
Sodium Tetraborate Decahydrate (Borax)	1303-96-4	215-540-4	005-011-01-1	0.50
Alkylpolyglycosides	68515-73-1	500-220-1	-	6.30
Ethanolamine (2-aminoethanol)	141-43-5	205-483-3	603-030-00-8	0.40

### Section 4: FIRST AID MEASURES

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen. Get medical attention. (Get medical attention immediately.) (Call a physician.)

**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.

**Skin:** Wash contacted skin thoroughly after handling. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**Ingestion:** If swallowed, call a poison control center or physician immediately. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person.

### Section 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** In case of fire, use water fog, dry chemical, CO<sub>2</sub> or "alcohol resistant" foam. Use foam, carbon dioxide (CO<sub>2</sub>) or dry chemical to extinguish fire. Caution: CO<sub>2</sub> will displace air in confined spaces and may cause an oxygen deficient atmosphere.

**Specific Hazards Arising from the Chemical:** carbon oxides (CO, CO<sub>2</sub>) may be released as a result of combustion

**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).

### 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:** Cover with absorbent material. Collect and dispose. Wash residue with soap and water. Do not rinse to drain.

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**Other Information:** Spills of this material do not need to be reported to the National Response Center.

### Section 7: HANDLING AND STORAGE

**Precautions for Safe Handling:** Wash hands thoroughly after handling. Wear eye protection and impermeable gloves. Wear chemical splash goggles when eye contact is possible due to splashing or spraying of material.

**Conditions for Safe Storage, Including Incompatibilities:** Store at temperatures above 40°F (4°C) to prevent freezing. Freezing may impact the effectivity of the solution. Keep container closed when not in use. Keep out of reach of children.

### Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Component Exposure Limits:

Component:	Concentration:	NIOSH REL:	OSHA PEL:	IDLH:	8hr TWA	STEL's	Notation
Sodium Tetraborate Decahydrate (also known as Borax, CAS 1303-96-4)	0.50 %w/w	TWA 5 mg/m <sup>3</sup>	none	none	none	none	none
Ethanolamine (CAS 141-43-5)	0.40 %w/w	TWA 3 ppm (8 mg/m <sup>3</sup> ) ST 6 ppm (15 mg/m <sup>3</sup> )	TWA 3 ppm (6 mg/m <sup>3</sup> )	30 ppm	2.5 (mg/m <sup>3</sup> )	7.6 (mg/m <sup>3</sup> )	Skin
Isopropyl Alcohol (CAS 67-63-0)	0.0044 %w/w	TWA 400 ppm (980 mg/m <sup>3</sup> ) ST 500 ppm (1225 mg/m <sup>3</sup> )	TWA 400 ppm (980 mg/m <sup>3</sup> )	2000 ppm [10%LEL]	none	none	none

**Appropriate Engineering Controls:** No specific controls are needed.

**Personal Protective Equipment (Eyes and Face):** Wear chemical splash goggles when eye contact is possible due to splashing or spraying of material.

**Personal Protective Equipment (Skin):** It is a good industrial hygiene practice to minimize skin contact. For operations where prolonged or repeated skin contact may occur, impermeable gloves should be worn.

**Personal Protective Equipment (Respiratory):** It is a good industrial hygiene practice to minimize inhalation of vapors or mists.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear Orange Liquid	<b>Viscosity:</b>	65 cps
<b>Odor:</b>	Floral / Soapy	<b>(Brookfield LVT#1, 30 RPM)</b>	
<b>Odor Threshold:</b>	No data	<b>VOC:</b>	No data
<b>pH:</b>	Conc., 6 - 8 Dilute (1:128) 6 - 8	<b>Boiling Point:</b>	100°C (212°F)
<b>Melting Point:</b>	Not applicable	<b>Solubility (H<sub>2</sub>O):</b>	Infinitely Soluble
<b>Specific Gravity:</b>	1.03 g/cc (25°C )	<b>Evaporation Rate:</b>	No data
<b>Octanol / H<sub>2</sub>O Coefficient (log k<sub>ow</sub>):</b>	No data	<b>Decomposition Temp:</b>	No data
<b>Molecular Weight:</b>	No data	<b>LFL:</b>	No data
<b>Auto Ignition:</b>	No data	<b>UFL:</b>	No data
<b>Flash Point:</b>	> 93.3°C (200°F)	<b>Vapor Pressure:</b>	173 mmHg (25°C)
<b>Vapor Density:</b>	No data	<b>Flammability Class:</b>	No data



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**Section 10: STABILITY AND REACTIVITY****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:** Freezing may impact the effectivity of the solution.**Incompatibility:** Chemically-active metals such as potassium, beryllium, powdered aluminum, zinc, calcium, magnesium & sodium acids should be avoided.**Hazardous Decomposition Products:** No data.**Section 11: TOXICOLOGICAL INFORMATION****Likely Routes of Exposure:** Ingestion, Dermal (skin/eyes), Inhalation (vapors)**Acute Effects:****Inhalation:** All ingredients present in concentrations greater than 1 %w/w have an LC<sub>50</sub> greater than 20 mg/L. Acute effects from vapors are not expected to be hazardous.**Eye Contact:** Concentration of ingredients classified as Eye Category 1 or 2 has triggered classification of the mixtures as hazardous to the eye. Symptoms of exposure are irritation, pain, swelling, lacrimation, or photophobia.**Skin Contact:** Contains 0.4%w/w Ethanolamine, Dermal LD<sub>50</sub> - 1025 mg/kg bodyweight. May be slightly irritating to the skin.**Ingestion:** All relevant ingredients present in quantities greater than 1 %w/w have an oral / dermal LD<sub>50</sub> greater than 2000 mg/kg body weight. Acute effects from ingestion are not likely, Observe patients with ingestion carefully for the possible development of esophageal or gastrointestinal tract irritation or burns. If signs or symptoms of esophageal irritation or burns are present, consult a physician.**Sensitization:** Propylene Glycol is not expected to cause sensitization by skin contact; however, skin reactions of unknown etiology have been described in some hypersensitive individuals following topical application. Propylene Glycol in cats, two studies of at least 90 days duration show that a species-specific effect of increased Heinz bodies was observed (NOAEL = 80 mg/kg bw/day; LOAEL = 443 mg/kg bw/day), with other hematological effects (decrease in number of erythrocytes and erythrocyte survival) reported at higher doses (6-12% in diet, or 3.7-10.1 g/cat/day).

Protease enzymes have also been known to cause skin sensitization; however, the enzymes are not present in concentrations great enough to warrant classification of Skin Sensitizer.

**Carcinogenicity:** this product does not contain any substances classified as carcinogens by NTP, ACGIH, IARC or OSHA.**Component Carcinogenicity:** not applicable**Mutagenicity:** this product is not a mutagen.**Reproductive Toxicity:** this product contains 0.50%w/w Sodium Tetraborate Decahydrate (also known as Borax, CAS 1303-96-4) suspended in solution: There have been limited animal studies which suggest decreased ovulation, fetotoxicity and developmental defects may occur with very high exposure levels. Maternal toxicity was present in some studies.**Specific Target Organ Toxicity - Single Exposure (STOT-SE):** not established**Specific Target Organ Toxicity - Repeated or Prolonged Exposure (STOT-RE):** skin sensitization may occur.

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### Section 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Not an acute or chronic ecotoxicant.

**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).

**Persistence / Degradability:** degradable

**Aquatic Toxicity:** all ingredients within this product are not classified as toxic to aquatic organisms. Constituents are either stated by sources as "not toxic to aquatic life" or exhibit toxicities of greater than the endpoints for classification.

**Bioaccumulative Potential:** low.

**Mobility in Soil:** highly mobile in soil

**Other Adverse Effects:** none noted

### 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

**Emergency Response Guide Number:** Not Listed

**Department of Transportation:** this product is not hazardous for shipment.

**UN Proper Shipping Name:** Not Applicable

**UN Number:** Not Applicable

**Hazard Class:** Not Applicable

**Packing Group:** Not Applicable

### 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:** substances within this product are not required to be reported in accordance with SARA 313 or the substances within are exempt by rules for "de minimis concentrations of a toxic chemical in a mixture" §372.38(a).

**.The following components appear on one or more of the following state hazardous substances list(s):**

Component	CAS	CA	MA	MN	NJ	PA	RI
Triethanolamine	102-71-6	N	N	N	Y	N	Y
Ethanolamine (2-aminoethanol)	141-43-5	N	N	N	Y	N	Y
propane-1,2-diol (Propylene Glycol)	57-55-6	N	N	N	Y	N	N
Isopropyl Alcohol	67-63-0	N	N	N	Y	Y	Y

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Sodium Tetraborate Decahydrate (Borax)	1303-96-4	N	N	N	N	N	Y
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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.

### 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.

**Classification in Accordance with 67/548/EEC and 1999/45/EC full text:** Xi – Irritant, R36 Irritating to eyes, S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### Section 16: OTHER INFORMATION

National Fire Protection Association (NFPA)

Hazardous Material Information System (HMIS®)

#### NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0

#### HMIS Ratings:

Health: 1

Fire: 1

Reactivity: 0

(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	SBL	SBL	Updated MSDS to GHS/SDS Format. P/N 48232 Revision A was 48023 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.

according to Regulation (EC) No 1907/2006

**UC32 BioSonic Enzymatic Ultrasonic Cleaner**

Revision date: 13.05.2016

Print date: 15.02.2018

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

UC32 BioSonic Enzymatic Ultrasonic Cleaner

**Further trade names**Cat. No. UC32  
48023**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet****Manufacturer**

Company name: COLTENE/Whaledent Inc.  
Street: 235 Ascot Parkway  
Place: Cuyahoga Falls, OH 44223/USA  
Telephone: +1 (330) 916 8800  
Telefax: +1 (330) 916 7077  
e-mail: info.us@coltene.com  
Internet: www.coltene.com

**Authorized Representative**

Company name: COLTENE/Whaledent GmbH & Co. KG  
Street: Raiffeisenstraße 30  
Place: D-89129 Langenau  
Telephone: +49 (7345) 805 0  
Telefax: +49 (7345) 805 201  
e-mail: info.de@coltene.com  
Internet: www.coltene.com

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes serious eye damage.

This product is not required to be classified as a Reproductive Toxicant when sold within the European Union .

The borax concentration is below classification thresholds according the Regulation (EC) No 1272/2008. The classification H360FD applies for markets where national law has not established a cutoff limit for Borax .

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

Alkyl Polyglycosides

**Signal word:** Danger**Pictograms:****Hazard statements**

H318 Causes serious eye damage.

according to Regulation (EC) No 1907/2006

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#### Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a doctor.
P405	Store locked up.

#### Special labelling of certain mixtures

EUH208	Contains Protease. May produce an allergic reaction.
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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68515-73-1	Alkyl Polyglycosides			5 - < 10 %
	500-220-1			
	Eye Dam. 1, Aquatic Acute 3; H318 H402			
1303-96-4	disodium tetraborate decahydrate; borax decahydrate			< 1 %
	215-540-4	005-011-01-1		
	Repr. 1B; H360FD			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Provide fresh air.  
In all cases of doubt, or when symptoms persist, seek medical advice.

#### After contact with skin

After contact with skin, wash immediately with: Water and soap.  
Change contaminated clothing.  
In case of skin irritation, seek medical treatment.

#### After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

#### After ingestion

Do NOT induce vomiting. Let water be drunken in little sips (dilution effect). Seek medical advice.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water spray. Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand.

#### Additional information

Co-ordinate fire-fighting measures to the fire surroundings.

according to Regulation (EC) No 1907/2006

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

Wipe up with absorbent material (eg. cloth, fleece). Clear contaminated areas thoroughly.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

Avoid contact with skin and eyes.

for professional use only Keep out of the reach of children.

##### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

##### **Further information on handling**

Always close containers tightly after the removal of product.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### **Further information on storage conditions**

Recommended storage temperature: &gt;0 °C

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1303-96-4	Disodium tetraborate, decahydrate	-	5		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### **Protective and hygiene measures**

When using do not eat, drink or smoke.

##### **Eye/face protection**

Framed glasses.

##### **Hand protection**

Wear suitable gloves.

##### **Skin protection**

Lab apron.

##### **Respiratory protection**

Provide adequate ventilation.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	orange
Odour:	characteristic

according to Regulation (EC) No 1907/2006

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#### Test method

pH-Value:	6 - 8
<b>Changes in the physical state</b>	
Initial boiling point and boiling range:	100 °C
Flash point:	< 93.3 °C
Vapour pressure:	No Data
Density (at 25 °C):	1.03 g/cm <sup>3</sup>
Water solubility:	easily soluble.
Viscosity / dynamic:	65 mPa·s

## SECTION 10: Stability and reactivity

### 10.2. Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

### 10.4. Conditions to avoid

heat.

### 10.5. Incompatible materials

Oxidizing agents.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

#### Sensitising effects

Based on available data, the classification criteria are not met.

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Based on available data, the classification criteria are not met.

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### Additional information on tests

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## SECTION 12: Ecological information

### 12.2. Persistence and degradability

Biodegradable.

### 12.3. Bioaccumulative potential

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1303-96-4	disodium tetraborate decahydrate; borax decahydrate	-1,53

according to Regulation (EC) No 1907/2006

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**Further information**

According to the criteria of the EC-classification and labelling "dangerous for the environment" (93/21/EEC) the material/product is not to be classified as dangerous to the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** ---

**Marine transport (IMDG)**

**14.1. UN number:** ---

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** ---

**Other applicable information**

No dangerous good in sense of these transport regulations.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):  
disodium tetraborate decahydrate; borax decahydrate

Restrictions on use (REACH, annex XVII):

Entry 30: disodium tetraborate decahydrate; borax decahydrate

**Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

**National regulatory information****Additional information**

Canada WHMIS: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H318	Causes serious eye damage.
H360FD	May damage fertility. May damage the unborn child.
H402	Harmful to aquatic life.
EUH208	Contains Protease. May produce an allergic reaction.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal.



according to Regulation (EC) No 1907/2006

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*