

Date of Issue: November 2010

Supersedes version of: October 2007

N.A. = not applicable, N.K. = not known

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

Trade Name: BioSonic® Germicidal Ultrasonic Cleaner Concentrate Cat. No. UC38, UC38SM, UC42

Manufacturer:**Coltène/Whaledent Inc.**

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Emergency Contact Numbers:

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Main Phone Number: +1 330 916 8800

2. Composition/Information on Ingredients**Chemical Characterization:** Alkaline, phenolic disinfectant/detergent**Hazardous Components:**

<u>Chemical Name</u>	<u>Weight %</u>	<u>Index, R/S Phrases</u>
Isopropanol	5 – 10%	F, R11, S7-16
Sodium OrthoBenzyl Parachlorophenate	1 – 5%	None
Sodium Ortho Phenyphenate	1 – 5%	XN, R22-38-41, S22-26
Sodium Para Tertiary Amyl Phenate	1 – 5%	None

3. Hazard Identification

Hazard Designation: Danger, Corrosive.

Information Pertaining to Particular Dangers for Man and Environment: Causes irreversible eye damage or skin burns. May be fatal if swallowed. Harmful if absorbed through skin or inhaled. Do not get in eyes, on skin or on clothing. Avoid breathing spray mist.

Classification is in line with BC directive 1999/45/EC: N.A.

4. First-Aid Measures**If in Eyes:** Hold eye open and rinse slowly and gently with plenty of water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.**If Swallowed:** Call a Poison Control Center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a Poison Control Center or doctor for further treatment advice.**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. Measure against circulatory shock, respiratory depression and convulsion may be needed.**5. Fire-Fighting Measures****Flammability: Yes** **Flash Point: 45.7°C (115°F)** **LEL: Not Established** **UEL: Not Established**Extinguishing Media: Water, CO₂, dry chemical or foam.

Unsuitable Extinguishing Media: None known.

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

6. Accidental Release Measures

Personal Precautions: Avoid eye contact by wearing safety goggles; avoid skin contact by wearing rubber gloves. Local exhaust adequate for vapor removal; mechanical ventilation helpful.

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. Do not allow large amounts of undiluted material into sewer system because of its aquatic toxicity and potential damage to sewer treatment facilities.

7. Handling and Storage

Precautions for Safe Handling: Always wear gloves and eye protection. Local exhaust adequate; mechanical ventilation helpful. Keep container closed when not in use.

Storage: Keep out of reach of children. Store in a securely closed original container. Avoid storage at temperature extremes or in sunlight. Do not contaminate with water, food or feed by storage or disposal. Do not store with water, food or feed.

8. Exposure Controls/Personal Protection

Components with recommended limits for the work place.

<u>CAS No.</u>	<u>Description</u>	<u>Weight %</u>	<u>Type/Value</u>
67-63-0	Isopropanol	5 – 10%	OSHA PEL 400 ppm
120-32-1	Sodium Ortho Benzyl Parachlorophenate	1 – 5%	N.K.
132-27-4	Sodium Ortho Phenylphenate	1 – 5%	N.K.
80-46-6	Sodium Para Tertiary Amyl Phenate	1 – 5%	N.K.

Engineering Controls: Local Exhaust Adequate; mechanical ventilation helpful.

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

Hand/Skin Protection: Wear protective clothing (long-sleeved shirt and long pants, socks plus shoes and chemical resistant gloves).

Respiratory Protection: Avoid breathing spray mists.

Eye Protection: Wear goggles or face shield (safety glasses).

9. Physical and Chemical Properties

Appearance: Clear amber liquid	Odor: Floral odor	Solubility: Infinitely soluble in water
Boiling Point: 100°C (212°F)	Flash Point: 45.7°C (115°F)	Method: Setaflash
Flammability: Yes	Autoflammability: No	Density: 1.03 g/cc (25°C)
Vapor Pressure: N.K.	Explosive Properties: N.K.	Explosive Limits in Air: N.K.
pH: Conc, 12.2 Dilute (1:128) 9.8	Viscosity: 25 cps	Method: Brookfield LVT#1, 30 RPM

10. Stability and Reactivity

Chemical Stability: Stable	Conditions to avoid: Open flame, strong oxidizers
Materials to avoid: None	Hazardous Decomposition Products: None Known

11. Toxicological Information

Acute Toxicity: N.A.
 Primary Effects to Skin: Draize, non-irritant, rabbit.
 Primary Effects to Eyes: Draize, moderate irritant, rabbit.
 Primary Effects to Respiratory System: N.K.
 Sensitization: N.A.
 Additional Toxicological Info: LD50 4.26 +/- 1.04 ml/kg – albino rats.

12. Ecological Information

General Information: Degradability – 52% BOD/COD.
 Classification of Water Endangerment: N.A.

13. Disposal Considerations

Product: Securely wrap original container in several layers of newspaper and discard in trash.
 Container: Do not reuse container. Replace cap and discard container in trash.

14. Transportation Information

DOT Shipping Name: Flammable Liquid, Corrosive N.O.S. (Isopropanol, Sodium Hydroxide)	DOT Hazard Class: Class 3 Flammable	UN-No. UN-2924 Packing Group III
Sea Transport IMDG/GGV Sea Class: N.A.	UN. No.: UN-2924 Packing Group: III	EmS-No: N.A. MFGA-No: N.A.
Air Transport ICAO-Ti and IATA-DGR Class: N.A.	UN. No.: UN-2924 Packing Group: III	

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: Fire.
 SARA 302 Extremely Hazardous Substances: None.
 SARA 313 Toxic Chemicals:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight %</u>
Sodium Orthophenylphenate	132-27-4	1 – 5%
Isopropanol	67-63-0	5 – 10%

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: 11/29/10 – Review, no changes. 10/02/07 – Removed Marine Pollutant from Section 12. 4/26/06 consistent format. 1/12/06 Bi-annual review, changed to 1999/45/EC in section 3, 91/155/EEC changed to 2001/58/EC. 11/11/04 – Updated sections 3, 4, 7 and 13 to reflect EPA label. 4/30 Updated Emergency Contact Information. Corrected flashpoint 3/17/04. Changed to Company Format and Updated Address 10/24/03.

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.