

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

Trade Name: BioSonic® Ultrasonic Cement Remover Concentrate Cat. No. UC39

Manufacturer:**Coltène/Whaledent Inc.**

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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	1 - 5%	F, R11, S7-16
Methyl Alcohol	1 - 5%	F,T R11-23/25, S2-7,16-24
Sodium Hydroxide	5 - 15%	C, R35, S2-26, 37/39

3. Hazard Identification

Hazard Designation: Corrosive liquid, flammable.

Information pertaining to particular Dangers for Man and Environment: Concentrated liquid is corrosive to skin and eyes. Harmful if ingested. Concentrated solution vapor may ignite if in direct contact with open flame.

Classification is in line with BC directive 1999/45/EC: Corrosive liquid, flammable N.O.S. (Sodium Hydroxide/ Isopropanol) UN 2920.

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: Yes****Flash Point: 29°C (84°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: Neutralize with dilute acid and soak up with absorbent or discharge to sewer with large excess of water.

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 an area that will prevent cross contamination with food, water or other pesticides/fertilizers. Keep away from flame sources. Keep container closed. Do not store with aluminum, tin, zinc, strong acids, nitromethane or other nitro compounds.

8. Exposure Controls/Personal Protection

Components with Recommended Limits for the Work Place:

<u>CAS No.</u>	<u>Chemical Name</u>	<u>Weight %</u>	<u>Type/Value</u>
67-63-0	Isopropanol	1 - 5%	OSHA PEL 400 ppm
67-56-1	Methyl Alcohol	1 - 5%	OSHA PEL 200 ppm
1310-73-2	Sodium Hydroxide	5 - 15%	OSHA PEL 2 MG/M3

Engineering Controls: Local exhaust adequate; mechanical ventilation helpful.

Work/Hygienic Protection: Do not splash.

Hand/Skin Protection: Wear protective gloves and clothing.

Respiratory Protection: Local ventilation.

Eye Protection: Wear safety goggles.

Date of Issue: November 2010

Coltène/Whaledent Inc.

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

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9. Physical And Chemical Properties

Appearance: Transparent liquid

Boiling Point: 87°C (188.6°F)

Flammability: Yes

Vapor Pressure: 52 mmHg (25°C)

pH: Conc., 13.5

Odor: Alcoholic

Flash Point: 29°C (84°F)

Autoflammability: No

Explosive Properties: N.K.

Viscosity: 100 cps

Solubility: Infinitely soluble in water

Method: Tag Closed Cup

Density: 1.15 g/cc (25°C)

Explosive Limits in Air: N.K.

Method: Brookfield LVT#1, 30 RPM

10. Stability and Reactivity

Chemical Stability: Stable.

Materials to Avoid: Tin, aluminum, strong acids, nitromethane,
and other nitro compounds.

Conditions to Avoid: Open flame, strong oxidizers.

Hazardous Decomposition Products: None known.

11. Toxicological Information

Acute Toxicity: N.A.

Primary Effects to Skin: Corrosive.

Primary Effects to Eyes: Corrosive.

Primary Effects to Respiratory System: Corrosive.

Sensitization: Will aggravate chronic respiratory disease and pre-existing eye and skin disorders.

Additional Toxicological Info: N.K.

12. Ecological Information

General Information: N.K.

Classification of Water Endangerment: Marine pollutant.

13. Disposal Considerations

Product: Dilute with large amounts of water and flush down the sewer or drain.

14. Transportation InformationDOT Shipping Name: Corrosive Liquid, flammable
N.O.S. (Sodium Hydroxide, Isopropanol)

Sea Transport IMDG/GGV Sea Class: 8,3

Air Transport ICAO-Ti and IATA-DGR Class: 8,3

DOT Hazard Class: Class 8, 3

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Packing Group: II Marine Pollutant

UN. No.: UN-2920

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EmS-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: Fire, corrosive.

SARA 302 Extremely Hazardous Substances: None.

SARA 313 Toxic Chemicals:

Chemical NameCAS No.Weight %

Sodium Hydroxide

132-27-4

5 – 15%

Methyl Alcohol

67-56-1

1 – 5%

Isopropanol

67-63-0

1 – 5%

Classification According to EEC Guidelines: R-Phrases; R11-23/35, R35 S-Phrases S2-7-16-24, S2-26-37/39, S7-16.

Special Labeling: Corrosive Liquid, flammable.

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. 10/20/04 – Corrected Packing

Group in Air Transport Section. 4/30/04 Added Emergency Contact Numbers. Changed to Company Format and Updated Address

10/30/03.10/2/07 Review, No Changes.

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.