

according to Regulation (EC) No 1907/2006

**UC38\_42 BioSonic Germicidal Ultrasonic Cleaner Concentrate**

Revision date: 18.05.2016

Print date: 21.03.2017

Page 1 of 8

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

UC38\_42 BioSonic Germicidal Ultrasonic Cleaner Concentrate

**Further trade names**

Cat. No. UC38

Cat. No. UC38SM

Cat. No. UC42

SDS Number 48025-01A

**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: Coltène/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: Coltène/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:

Flammable liquid: Flam. Liq. 3

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1B

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Flammable liquid and vapour.

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

Toxic to aquatic life with long lasting effects.

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

chlorophene

tetrasodium ethylene diamine tetraacetate

4-tert-Amylphenol

Sodium hydroxide; caustic soda

**Signal word:** Danger

according to Regulation (EC) No 1907/2006

**UC38\_42 BioSonic Germicidal Ultrasonic Cleaner Concentrate**

Revision date: 18.05.2016

Print date: 21.03.2017

Page 2 of 8

**Pictograms:****Hazard statements**

H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P352	Wash with plenty of water.
P362+P364	Take off contaminated clothing and wash it before reuse.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310	Immediately call a POISON CENTER/doctor.
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 POISON CENTER/doctor.
P391	Collect spillage.
P370+P378	In case of fire: In case of fire, use sand, extinguishing powder or alcohol resistant foam.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**

according to Regulation (EC) No 1907/2006

**UC38\_42 BioSonic Germicidal Ultrasonic Cleaner Concentrate**

Revision date: 18.05.2016

Print date: 21.03.2017

Page 3 of 8

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			< 10 %
	200-661-7	603-117-00-0		
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
120-32-1	clorophene			< 5 %
	204-385-8			
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Chronic 1; H302 H315 H318 H335 H410			
64-02-8	tetrasodium ethylene diamine tetraacetate			< 5 %
	200-573-9	607-428-00-2		
	Acute Tox. 4, Eye Dam. 1; H302 H318			
132-27-4	2-phenylphenol, sodium salt, sodium 2-biphenylate			1 - < 5 %
	205-055-6	604-021-00-1		
	Acute Tox. 4, STOT SE 3, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1; H302 H335 H315 H318 H400			
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts			1 - < 5 %
	268-356-1			
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318			
80-46-6	4-tert-Amylphenol			< 3 %
	201-280-9			
	Acute Tox. 4, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 1; H302 H312 H317 H410			
12179-04-3	disodium tetraborate pentahydrate; borax pentahydrate			< 1 %
	215-540-4	005-011-02-9		
	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.

In case of irregular breathing or respiratory arrest provide artificial respiration. Call a physician immediately.

**After contact with skin**

Change contaminated clothing.

After contact with skin, wash immediately with: Water.

In case of skin irritation, seek medical treatment.

**After contact with eyes**

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

**After ingestion**

Seek medical advice immediately.

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

**SECTION 5: Firefighting measures**

according to Regulation (EC) No 1907/2006

## UC38\_42 BioSonic Germicidal Ultrasonic Cleaner Concentrate

Revision date: 18.05.2016

Print date: 21.03.2017

Page 4 of 8

### 5.1. Extinguishing media

#### Suitable extinguishing media

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

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### Additional information

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

## 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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

## 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.  
Observe instructions for use.

#### 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

#### Advice on storage compatibility

Do not allow to enter into surface water or drains.

#### Further information on storage conditions

Store in a cool dry place.  
Store at temperatures not exceeding 48 °C/120 °F.

## 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
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		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.

according to Regulation (EC) No 1907/2006

**UC38\_42 BioSonic Germicidal Ultrasonic Cleaner Concentrate**

Revision date: 18.05.2016

Print date: 21.03.2017

Page 5 of 8

**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:	transparent amber

**Test method**

pH-Value:	11.50 - 12.50
-----------	---------------

**Changes in the physical state**

Initial boiling point and boiling range:	100 °C
--	--------

Flash point:	46 °C
--------------	-------

Density (at 25 °C):	1.05 - 1.07 g/cm <sup>3</sup>
---------------------	-------------------------------

Water solubility:	highly soluble.
-------------------	-----------------

**SECTION 10: Stability and reactivity****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.

according to Regulation (EC) No 1907/2006

**UC38\_42 BioSonic Germicidal Ultrasonic Cleaner Concentrate**

Revision date: 18.05.2016

Print date: 21.03.2017

Page 6 of 8

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
120-32-1	clorophene			
	oral	LD50 1700 mg/kg	Symptoms of poisoning may develop several hours following exposure. Victim should be under medical observation for at least 48 hours after exposure. Rat	
64-02-8	tetrasodium ethylene diamine tetraacetate			
	oral	ATE 500 mg/kg		
132-27-4	2-phenylphenol, sodium salt, sodium 2-biphenylate			
	oral	ATE 500 mg/kg		
68081-81-2	Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts			
	oral	ATE 500 mg/kg		
80-46-6	4-tert-Amylphenol			
	oral	LD50 1830 mg/kg	Rat	
	dermal	LD50 2000 mg/kg	Rabbit	

**Irritation and corrosivity**

Causes severe skin burns and eye damage.

**Sensitising effects**

May cause an allergic skin reaction.

**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**

---

**SECTION 12: Ecological information**
**12.1. Toxicity**

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
120-32-1	clorophene				
	Acute fish toxicity	LC50 0.238 mg/l	96 h	Lepomis macrochirus	literature value
	Acute crustacea toxicity	EC50 0.546 mg/l	48 h	Daphnia magna	literature value
132-27-4	2-phenylphenol, sodium salt, sodium 2-biphenylate				
	Acute fish toxicity	LC50 6,1 mg/l	96 h		GESTIS

**12.3. Bioaccumulative potential**

according to Regulation (EC) No 1907/2006

**UC38\_42 BioSonic Germicidal Ultrasonic Cleaner Concentrate**

Revision date: 18.05.2016

Print date: 21.03.2017

Page 7 of 8

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
120-32-1	clorophene	3.6

**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)**

<b>14.1. UN number:</b>	UN 2924
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, CORROSIVE, N.O.S. Isopropanol, sodium hydroxide
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3+8
Classification code:	FC
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	38
Tunnel restriction code:	D/E

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN 2924
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, CORROSIVE, N.O.S. isopropanol, sodium hydroxide
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3+8
Special Provisions:	223, 274
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-E, S-C

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

<b>14.1. UN number:</b>	UN 2924
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, CORROSIVE, N.O.S. isopropanol, sodium hydroxide
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3+8
Special Provisions:	A3 A803
Limited quantity Passenger:	1 L
Passenger LQ:	Y342
Excepted quantity:	E1
IATA-packing instructions - Passenger:	354
IATA-max. quantity - Passenger:	5 L

according to Regulation (EC) No 1907/2006

**UC38\_42 BioSonic Germicidal Ultrasonic Cleaner Concentrate**

Revision date: 18.05.2016

Print date: 21.03.2017

Page 8 of 8

IATA-packing instructions - Cargo:

365

IATA-max. quantity - Cargo:

60 L

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360FD	May damage fertility. May damage the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

**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.

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