

SAFETY DATA SHEET – **Sonic Chem Final Rinse**




According to Regulation (EU) No 453/2010

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade Name : **Sonic Chem Final Rinse**
 Product Uses : Bactericidal Food Industry Non-rinse Sanitiser
 Supplier : Ultrasonic Products International
 Abacus House
 33 Gutter Lane
 London
 EC2V 8AR
 United Kingdom
 Phone Number : + 44 (0) 870 626 2055 in office hours
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 Email : enquiries@sonic-wash.com
 Emergency telephone number : + 44 (0) 870 626 2055 in office hours, out of hours +44 (0) 7802 54 11 97

2. HAZARD IDENTIFICATION

EC Hazard Classification: According to Regulation EC No. 1272/2008 (CLP Regulation, GHS)

Pictograms:			
Signal Word:	Danger	Danger	Warning
Hazard Classification:	Corrosive Skin Corr: Cat 1B	Environmental Toxicity Aquatic Acute Tox: Cat 1	Acute Toxicity Oral: Cat 4 Dermal: Cat 4
Hazard Statements:	H314: Causes severe skin burns and eye damage	H400: Very toxic to aquatic life	H302: Harmful if swallowed H312: Harmful in contact with skin
Precautionary Statements:	P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+ P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310: Immediately call a POISON CENTER or doctor/physician. P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P273: Avoid release to the environment.		
Classification: according to DSD (Directive 67/548/EEC) or DPD (Directive 1999/45/EC).	C : R34 N : R50 Xn : R21/22	Corrosive: Causes burns Very toxic to aquatic organisms Harmful in contact with skin and if swallowed	

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS-No.	EC-No.	Classification	Concentration %w/w
C10-C16 alkyl dimethyl benzyl ammonium chloride (predominantly C12-C14):			
68424-85-1	270-325-2	H314: Causes severe skin burns and eye damage H400: Very toxic to aquatic life H302: Harmful if swallowed H312: Harmful in contact with skin	ca 35-45%
C8-C10 Dialkyl dimethyl ammonium chloride			
32426-11-2		Octyl decyl dimethyl ammonium chloride	2 to 5%
5538-94-3		Diocetyl dimethyl ammonium chloride	2 to 5%
7173-51-5		Didecyl dimethyl ammonium chloride	2 to 5%
Water:			
7732-18-5	231-791-2	-	ca 50%

4. FIRST AID MEASURES

- 4.1 First Aid Measures
- Inhalation : Remove exposed person to fresh air if exposure to fumes suspected. Keep warm and at rest. If unconscious, place in recovery position. Loosen

Ingestion	:	clothing and maintain open airway. If breathing irregular/arrested, provide artificial respiration/oxygen by trained personnel. Obtain medical attention. Wash out mouth with water. Give sips of water/milk only if conscious. Keep warm and at rest. Do not induce vomiting. If vomiting occurs, keep head low to prevent entry to lungs. If unconscious, place in recovery position. Loosen clothing and maintain open airway. If breathing irregular/arrested, provide artificial respiration/oxygen by trained personnel. Obtain urgent medical attention.
Skin Contact	:	Remove contaminated clothing/shoes. Wash contaminated skin thoroughly with soap and water. Continue rinsing for 10 min. Seek medical attention for chemical burns. Launder contaminated clothing before re-use.
Eye Contact	:	Immediately flush the eye with plenty of water for at least 15 minutes, with frequent lifting of upper and lower eyelids. Seek immediate medical attention.

4.2 Symptoms and Adverse Health Effects : Sec 11 for health effects and symptoms.

5. FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media	:	Will not support combustion; select extinguishing agent appropriate to other materials involved (powder, foam, dry chemical, CO ₂ or water spray/fog)
5.2 Special Hazards of Product	:	Fumes containing carbon dioxide, carbon monoxide, amine vapours and oxides of nitrogen may be formed in large fires. May make floor very slippery.
5.3 Advice for Fire-Fighting	:	Protective Equipment: Wear full protective clothing and self-contained breathing apparatus with full face-piece in positive pressure mode. Special Precautions: Toxic to aquatic organisms; contain fire water and prevent entry to drains/watercourses (sec 13).

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions	:	Very toxic to aquatic organisms. Prevent spillage/runoff from entering drains/sewers/watercourses/confined areas. Inform authorities if entry suspected or if soil/vegetation contaminated.
Spillages	:	Large Spill: Stop escape of material if without risk. Remove containers from spill area. Contain and collect spillage using non-combustible inert absorbent (sand/earth/vermiculite/diatomaceous earth) for disposal (sec 13). Use licenced waste disposal contractor. Wash area with plenty of water. Small spills may be diluted with water and mopped up.
Personal Precautions	:	Use appropriate personal protective clothing (sec 8). Slip risk: do not walk through or touch spilt material. Use respirator if ventilation inadequate.

7. HANDLING AND STORAGE

Handling	:	Avoid contact with eyes, skin and clothing (sec 8).
Storage	:	Store between 0-40°C. Keep containers tightly closed when not in use. Label containers according to hazard classification. Use appropriate secondary containment to avoid environmental contamination.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Skin Protection	:	Wear impervious PVC or rubber gloves/gauntlets, protective overalls, impermeable safety footwear and industrial safety helmet
Eye Protection	:	Wear close fitting goggles or full face visor/ shield to avoid splash injury
Hygiene measures	:	Ensure eyewash stations and showers close to work locations. Wash hands, arms, face before eating, smoking or using the lavatory. Launder contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C)	:	Liquid
Colour	:	Red
Odour	:	Faint Almond
pH	:	7.0 ±1 (5% w/w Solution)
Boiling Range/Point	:	ca 100°C
Solubility in water (20°C)	:	Fully miscible with cold water in all proportions
Density (20°C)	:	ca. 0.98 (±0.01) g/mL
Viscosity (20°C)	:	Dynamic ca. 100 m Pa.s

10. STABILITY AND REACTIVITY

Reactivity/Chemical Stability	:	Stable
Incompatible materials	:	Strong oxidising agents
Hazardous Decomposition products	:	Combustion will generate oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Benzalkonium Chloride	:	
Oral	:	LD50 (rat) 240-400 mg/kg

Dermal	:	LD50 (rat) 800-1420 mg/kg
Potential Acute Health effects	:	
Inhalation	:	No inhalation hazard under normal use conditions. Dust, spray, mist can be corrosive/highly irritating to the respiratory system
Ingestion	:	Harmful if swallowed. May cause burns to mouth, throat and stomach
Skin contact	:	Corrosive to skin. Causes burns. Harmful in contact with skin.
Eye	:	Corrosive to eyes.

12. ECOLOGICAL INFORMATION

12.1 Eco toxicity	:	The product is toxic to aquatic organisms Acute LC50 Fish (96hr) 0.85 – 1.2 mg/L Acute EC50 Daphnia (48hr) 0.02 mg/L Acute EC50 Algae (96hr) 0.06 mg/L
12.2 Persistence/Degradability	:	Readily biodegradability: complies with biodegradability conditions, particularities and limits specified in Detergents Regulation (EC) 648/2004 & annexes.
12.3 Bio-accumulative Potential	:	Low: Product is surface active: Log P _{ow} (ca. 0.5) may not be appropriate
12.4 Mobility in soil	:	Water soluble, readily binds to organic matter
12.5 PBT and vPvB	:	Not applicable
12.6 Ecological Overview	:	Product contains a substance classified as dangerous for the environment

13. DISPOSAL CONSIDERATIONS

Product Disposal	:	Where practical, waste or surplus material should be recovered and recycled. When disposing of waste or surplus material, avoid contact with eyes and skin. See section 8 for personal protective equipment. Do not wash into drains. Do not mix with other waste materials. Dispose according to relevant national/local regulations. Within the EC, use appropriate code in EWL (European Waste List) for disposal.
Packaging Disposal	:	Empty containers may contain hazardous residues. Labels should not be removed from containers until they have been cleaned. Incineration and landfill should only be considered when recycling is not feasible.

14. TRANSPORT INFORMATION

UN Proper Shipping Name	:	CORROSIVE LIQUID N.O.S. (quaternary ammonium chlorides)
UN No.	:	UN 1760
UN Class	:	8
UN Packing Group	:	II
ADR/RID – Class	:	8
ADR/RID – Item No.	:	66 (b)
ADR/RID – Hazard Identification No.	:	80
UK Transport – Emergency Action Code:	:	2X
Tremcard No. TEC(R)	:	80G20
IMDG - Class	:	8
IMDG – Ems No.	:	8-15
IMDG – MFAG Table No.	:	760
IATA Class	:	8
TARIFF No.	:	292 390 00 0

15. REGULATORY INFORMATION

All ingredients are listed on the EC Inventory and on the TSCA Inventory.

16. ADDITIONAL INFORMATION

Issued By	:	HS&E Manager
Revision Date	:	05/03/2014
Revision	:	6
Superseded Date	:	05/11/2013
SDS No.	:	
Safety Data Sheet Status	:	Approved

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