

Ruhof Biocide Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830; US Federal Regulations 29 CFR 1910.1200(g)

Date of issue: 09/16/2019

Version: 3.0

Section 1 - Product Information

Product Name: Ruhof Biocide	Supplier	The Ruhof Corporation
Product Code: 34566	Information Phone: 1-800-537-8463	
Product Use: Detergent Disinfectant	Emergency Contact: 1-800-424-9300 (Chemtrec)	Address 393 Sagamore Avenue Mineola NY 11501

Section 2 - Hazards Identification

GHS Classification Skin Corrosion/Irritation Category 1B

Section 2.1 Label Elements

Hazard Pictograms	Precautionary Statements
	Hazard Statements: H302 - Harmful if swallowed Precautionary Statements: P501 - Dispose of contents/ container to an approved waste disposal plant.
Signal Word: Warning	

Section 3 - Composition/Information on Ingredients

Chemical Name	CAS-No	Weight %
N-Alkyl (60%C14, 30%C16, 5%C12, 5%C18) dimethyl benzyl ammonium chlorides	68391-01-5	0,1-<1
N-Alkyl (68%C12, 32%C14) dimethyl ethyl benzyl ammonium chlorides	68956-79-6	0,1-<1

4. FIRST AID MEASURES

General Advice	No specific measures required.
Eye Contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Skin Contact	Rinse off with water. If symptoms persist, consult a doctor.
Inhalation	If irritation occurs move to fresh air. If symptoms persist, call a doctor.
Ingestion	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases None in particular.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment for fire-fighters No further relevant information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material.

Reference to other sections: See Section 12 for additional

7. HANDLING AND STORAGE

Handling No special precautions are necessary if used correctly.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

Conditions for safe storage, including any incompatibilities Keep out of the reach of children. Keep in properly labeled containers.

Specific end use(s) Exposure Scenario No information available. **Other Guidelines** No information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Appropriate engineering controls

Engineering Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands after use.

Recommended personal protective measures:

Personal protective equipment should be worn in accordance with OSHA bloodborne pathogen guidelines when handling soiled instruments.

Eye/Face Protection Wear safety goggles or face shield if spraying can meet face.

Skin and Body Protection Lightweight protective clothing. Impervious gloves.

Respiratory Protection If irritation is experienced, NIOSH/MSHA approved respiratory protection can be worn.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odor	Appearance	pH	Melting Point/Range	Boiling Point
Liquid	Mild	Light Yellow	11-12	No data available	>100C
Flash Point	Flammability Limits	Vapor Pressure	Specific Gravity	Water Solubility	Flammable Properties
No data available	No data available	No data available	1.01-1.03	Soluble	Not Flammable

10. STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Inhalation	Based on available data, the classification criteria are not met.
Eye Contact	May cause irritation.
Skin Contact	May cause irritation and/or may cause burns.
Ingestion	There is no data available for this product.

Delayed and immediate effects and also chronic effects from short and long-term exposure

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

12. ECOLOGICAL INFORMATION

Ecotoxicity	Benzalkyl quaternary ammonium surfactants (68391-01-5) LC50 fishes 1 0.28 mg/l (Exposure time: 96h - Species: Pimephales promelas) EC50 Daphnia 1 0.037 mg/l (Exposure time: 48h - Species: Daphnia magna)
Persistence and Degradability	No information available.
Bioaccumulation	The product does not contain any substances expected to be bioaccumulating.
Other Adverse Effects	No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods	Dispose of in accordance with federal, state, and local regulations
Contaminated Packaging	Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU Legislation: The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 2015/830 of 20th May 2015 amending regulation (EC) No 1907/2006.

US Federal Regulations: 29 CFR 1910.1200(g)

16. OTHER INFORMATION

Full text of H-phrases referred to under Sections 2: H302 Harmful if swallowed



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General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet