


# Ruhof Biocide EU Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 06/21/2019  
Version: 1.0

Section 1 - Identification of the substance/mixture and of the company/undertaking							
<b>1.1 Product identifier:</b> Product Form: mixture Trade Name: Ruhof Biocide Registration number: Substances contained in the mixture are registered by the suppliers.		<b>1.4 Emergency Telephone Number</b> 0035318308266					
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>  <b>Recommended use:</b> Surface Disinfectant  <b>Uses advised against:</b> No information available		<b>1.3. Details of the supplier of the safety data sheet</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"> <b>Supplied by</b>                      Murray Surgical Limited                      23a Moyle Road                      Dublin Ind. Estate                      Glasnevin, Dublin 11                 </td> <td style="text-align: center;"> <b>Manufactured by</b>                      The Ruhof Corporation                      393 Sagamore Avenue                      Mineola, NY 11501-1919                      USA                 </td> </tr> <tr> <td colspan="2" style="text-align: center;">Email: info@murraysurgical.ie</td> </tr> </table>		<b>Supplied by</b> Murray Surgical Limited 23a Moyle Road Dublin Ind. Estate Glasnevin, Dublin 11	<b>Manufactured by</b> The Ruhof Corporation 393 Sagamore Avenue Mineola, NY 11501-1919 USA	Email: info@murraysurgical.ie	
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Email: info@murraysurgical.ie							
		NPIC Number 01 8092166  Hours of work 9am - 5pm Mon- Friday					
Section 2 - Hazards Identification							
Section 2.1 - Classification of the substance or mixture							
Classification according to Regulation (EC) No. 1272/2008 and its amendments							
Skin Corrosion/Irritation		Category 1B					
Physical Hazards		None					
2.2. Label Elements							
Hazard Pictogram:   Signal Word: Warning		Hazard Statements: H302 - Harmful if swallowed  Precautionary Statements: P501 - Dispose of contents/ container to an approved waste disposal plant.					
Section 3 - Composition/Information on Ingredients							
3.1. Substance: Not Applicable    3.2 Mixture							
Name	Product Identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]				
N-Alkyl (60%C14, 30%C16, 5%C12, 5%C18) dimethyl benzyl ammonium chlorides	(CASNo) 68391-01-5 (EC no) 269-919-4	0,1-<1	Acute Tox. 4, H302 Skin Corr. 1B, H314				
N-Alkyl (68%C12, 32%C14) dimethylethyl benzyl ammonium chlorides	(CAS No) 68956-79-6 (EC no) 273-318-2	0,1-<1	Acute Tox. 4, H302 Skin Corr. 1B, H314				
Full text of H-statements: see section 16							
Section 4 - First Aid Measures							
4.1. Description of first-aid measures							
<b>General Advice</b>	No specific measures required.						
<b>Eye Contact</b>	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.						
<b>Skin Contact</b>	Rinse off with water. If symptoms persist, consult a doctor.						
<b>Inhalation</b>	If irritation occurs move to fresh air. If symptoms persist, call a doctor.						
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.						
4.2. Most important symptoms and effects, both acute and delayed							
Most Important Symptoms/Effects	No further relevant information available.						
4.3. Indication of immediate medical attention and special treatment needed							
Notes to Physician	No further relevant information available.						
Section 5 - Fire Fighting Measures							
<b>5.1. Extinguishing media</b> Suitable Extinguishing Media CO2, powder or water spray.		<b>5.3. Advice for firefighters</b> Special protective equipment for fire-fighters No further relevant information available.					
<b>5.2. Special hazards arising from the substance or mixture</b> Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases None in particular.							
Section 6 - Accidental Release Measures							
<b>6.1. Personal precautions, protective equipment and emergency procedures.</b> Use personal protective equipment.		<b>6.3. Methods and materials for containment and cleaning up</b> Soak up with inert absorbent material.					
<b>6.2. Environmental precautions</b> No special measures required.		<b>6.4. Reference to other sections:</b> See Section 12 for additional information.					
Section 7 - Handling and Storage							
<b>7.1. Precautions for Safe Handling</b> No special precautions are necessary if used correctly. <b>Information about fire - and explosion protection:</b> No special measures required.		<b>7.2. Conditions for safe storage, including any incompatibilities</b> Keep out of the reach of children. Keep in properly labeled containers.					
		<b>7.3. Specific end use(s) Exposure Scenario</b> No information available. <b>Other Guidelines</b> No information available.					

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## Section 8 – Exposure controls/personal protection

### 8.1. Control parameters

#### 8.2. Exposure controls

##### Personal protective equipment

**General protective and hygienic measures:** The usual precautionary measures are to be adhered to when handling chemicals.

**Eye Protection** Not required under normal conditions of use.

**Skin and Body Protection** Not required under normal conditions of use.

**Hand Protection** Not required under normal conditions of use.

**Respiratory Protection** No respiratory protection normally required. In case of inadequate ventilation wear respiratory protection.

Device	Filter type	Condition	Standard
Dust mask	Type P1	Dust protection EN	143, EN 149

## Section 9 – Physical and chemical properties

### 9.1. Information on basic 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

**9.2. Other information VOC Content (%)** No information available **Flammability Limits in Air** No data available

## Section 10 – Stability and reactivity

**10.1. Reactivity** No data available.

**10.2. Chemical stability** Stable under normal conditions.

**10.3. Possibility of hazardous reactions** None under normal processing.

**10.4. Conditions to avoid** None known based on information supplied.

**10.5. Incompatible materials** No information available.

**10.6. Hazardous decomposition products** None under normal use.

## Section 11 – Toxicological information

### 11.1. Information on toxicological effects

**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.

## Section 12 – Ecological information

### 12.1. Toxicity

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.

**12.2. Persistence and degradability:** No information available.

**12.3. Bioaccumulative potential:** No information available.

**12.4. Mobility in soil** Adsorbs on soil.

**12.5. Results of PBT and vPvB assessment** No information available.

**12.6. Other adverse effects** None known

## Section 13 – Disposal considerations

**13.1. Waste treatment methods: Waste from Residues / Unused Products** Dispose of in accordance with local regulations. **Contaminated Packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

## Section 14 – Transport information

<b>14.1 UN number</b> N/A	<b>Ground:</b> Non-Hazardous	<b>14.4 Packing group</b> N/A	<b>Product Regulated for Transport</b> No
<b>14.2 UN proper shipping name</b> N/A	<b>Sea:</b> IMDG Class: Non-Hazardous	<b>14.5 Environmental hazards</b> N/A	<b>14.7 Transport in bulk according to</b>
<b>14.3 Transport hazard class(es)</b>	<b>Air:</b> ICAO/IATA Class: Non-Hazardous	<b>14.6 Special precautions for user</b> N/A	<b>Annex II of MARPOL 73/78 and the IBC Code:</b>
			N/A

## Section 15 – Regulatory information

### 15.1 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. Detergent Regulation (EC) No. 648/2004

## Section 16 – Other information

**Full text of H-phrases referred to under Sections 3:** H302 Harmful if swallowed; H314 Causes severe skin burns and eye damage

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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