

**SAFETY DATA SHEET**  
**RAPHAEL**  
**BACTERICIDAL FOAM HAND CLEANSER**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

1.1. Product identifier

Product name                      RAPHAEL BACTERICIDAL FOAM HAND CLEANSER

1.2. Relevant identified uses of the substance or mixture and uses advised against Identified uses

Cleaning agent.

1.3. Details of the supplier of the safety data sheet

Supplier                              Cleenol Group Ltd  
   Neville House  
   Beaumont Road  
   Banbury  
   Oxon OX16 1RB  
   UK  
   Tel : +44 (0)1295 251721  
   Fax : +44 (0)1295 269561  
   sales@cleenol.co.uk

1.4. Emergency telephone number

Emergency telephone              Emergency contact number: 01295 251721 (9am to 5pm Monday to Friday excluding bank holidays). Ask for Technical Department quoting the product name. Outside of these hours please contact your doctor or local hospital accident and emergency department or the NHS enquiry service (dial 111) quoting product name and present this MSDS advising them that the product is registered with the National Poisons Information Service

**SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards                      Not Classified  
Health hazards                        Not Classified  
Environmental hazards               Not Classified

2.2. Label elements

Precautionary statements          P102 Keep out of reach of children.  
   Dispose of contents / containers as normal waste

2.3. Other hazards

Other Hazards                         None

**SECTION 3: Composition/information on ingredients**

3.2. Mixtures

## BACTERICIDAL FOAM HAND CLEANSER

<b>LAURYL BETAINE</b> CAS number: 66455-29-6                      EC number: 266-368-1	1-5%
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC or 1999/45/EC) Xi;R38,R41.
<b>DIDECYL DIMETHYLAMMONIUM CHLORIDE</b> CAS number: 7173-51-5                      EC number: 230-525-2 M factor (Acute) = 10	<1%
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) C;R34 Xn;R22
<b>CITRIC ACID</b> CAS number: 77-92-9                      EC number: 201-069-1	REACH registration number: 01211945702642XXXX
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xi;R36/37/38.
<b>BENZALKONIUM CHLORIDE</b> CAS number: 68424-85-1 M factor (Acute) = 10                      M factor (Chronic) = 1	<1%
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H312 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xn;R21/22. C;R34. N;R50.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

Ingestion	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

#### 4.2. Most important symptoms and effects, both acute and delayed

Ingestion	May cause discomfort if swallowed.
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## BACTERICIDAL FOAM HAND CLEANSER

Skin contact                      May be slightly irritating to skin.

Eye contact                        May cause eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

Specific treatments                Seek medical attention if irritation or symptoms persist. Symptomatic treatment

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media    The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards                    Burning may produce irritating, toxic and obnoxious fumes.  
Oxides of Carbon, Nitrogen and Sulphur.

### 5.3. Advice for firefighters

Special protective equipment for firefighters    Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions              For personal protection, see Section 8.

### 6.2. Environmental precautions

Environmental precautions        Avoid or minimise the creation of any environmental contamination.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up            Flush away spillage with plenty of water.

### 6.4. Reference to other sections

Reference to other sections        See section 3,8 & 13 for further information

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Usage precautions                  Avoid contact with eyes. Avoid spilling.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage precautions                Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

### 7.3. Specific end use(s)

Specific end use(s)                 The identified uses for this product are detailed in Section 1.2.

SHELF LIFE OF DILUTION

12 MONTHS

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

CITRIC ACID

Long-term exposure limit (8-hour TWA): 4 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 10 mg/m<sup>3</sup>

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## CITRIC ACID (CAS: 77-92-9)

Ingredient comments      WEL = Workplace Exposure Limits

### 8.2. Exposure controls

#### Protective equipment

Eye/face protection	Personal protective equipment for eye and face protection should comply with European Standard EN166.
Hand protection	To protect hands from chemicals, gloves should comply with European Standard EN374.
Hygiene measures	Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid.
pH	6-8
Initial boiling point and range	100@° C @ 760 mm Hg
Relative density	@ @ 20C° C

### 9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of NIL .
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	No test data specifically related to reactivity available for this product or its ingredients.
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### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None known.
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### 10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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### 10.5. Incompatible materials

Materials to avoid	None known.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Ingestion	May cause discomfort if swallowed.
Skin contact	Skin irritation should not occur when used as recommended.

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Eye contact Vapour or spray in the eyes may cause irritation and smarting.

### SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

#### 12.1. Toxicity

Toxicity The product is not believed to present a hazard due to its physical nature.

#### 12.2. Persistence and degradability

Persistence and degradability The product is biodegradable.

#### 12.3. Bioaccumulative potential

Bioaccumulative potential Not available.

#### 12.4. Mobility in soil

Mobility The product is soluble in water.

#### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

Other adverse effects None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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Transport in bulk according to Not applicable.  
Annex II of MARPOL 73/78  
and the IBC Code

### SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

### SECTION 16: Other information

Revision date	11/05/2017
Revision	5
Supersedes date	26/01/2016
Risk phrases in full	Not classified. R21/22 Harmful in contact with skin and if swallowed. R22 Harmful if swallowed. R34 Causes burns. R36/37/38 Irritating to eyes, respiratory system and skin. R38 Irritating to skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms.
Hazard statements in full	H290 May be corrosive to metals. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.