SAFETY DATA SHEET
Antibacterial Cleanser

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

1.1. Product identifier
Product name  Antibacterial Cleanser
Internal identification  F7V1

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses  Cleaning hard surfaces around the home with antibacterial action.

1.3. Details of the supplier of the safety data sheet
Supplier

Contact person

1.4. Emergency telephone number

Emergency telephone

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification
Physical hazards  Not Classified
Health hazards  Not Classified
Environmental hazards  Not Classified

2.2. Label elements
Hazard statements  NC Not Classified
Precautionary statements  P102 Keep out of reach of children.
                        P103 Read label before use.
Detergent labelling  < 5% disinfectants,< 5% EDTA and salts thereof,< 5% non-ionic surfactants

2.3. Other hazards
None

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Antibacterial Cleanser

Butyl Diglycol 1-5%
CAS number: 112-34-5  EC number: 203-961-6

Classification  Classification (67/548/EEC or 1999/45/EC)
Eye Irrit. 2 - H319  Xi; R36

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides <1%
CAS number: 68424-85-1  EC number: 270-325-2
M factor (Acute) = 10  M factor (Chronic) = 1

Classification  Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290  Xn; R22. C; R34. N; R50/53
Acute Tox. 4 - H302
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

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
Inhalation  Remove exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery not rapid.

Ingestion  Drink water. If symptoms persist seek medical advice.

Skin contact  Rinse affected area with water.

Eye contact  Rinse thoroughly with water for several minutes. If symptoms persist seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed
Inhalation  Possible mild irritation of breathing passage and possible mouth irritation.

Ingestion  Possible mild stomach upset and mild soreness of mouth.

Skin contact  Possible mild transient irritation of skin.

Eye contact  Possible mild irritation, redness and soreness.

4.3. Indication of any immediate medical attention and special treatment needed
Notes for the doctor  No data available
Specific treatments  No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media  Use extinguisher suitable to cause of fire.

5.2. Special hazards arising from the substance or mixture
Specific hazards  Product does not support combustion, minimal fire hazard. Minimal quantities of oxides of carbon may be produced.

5.3. Advice for firefighters
Antibacterial Cleanser

Protective actions during firefighting

Use protection suitable to cause of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions

Product is intended to be rinsed away to sewer after use. For bigger spillages non-household spillages prevent entry into sewer or drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Absorb household spillages with e.g kitchen roll and dispose of in bin. Wipe affected area clean with a damp cloth.

6.4. Reference to other sections

Reference to other sections

None

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Use as instructed on label. Avoid breathing spray. Point spray away from face.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store in ambient conditions.

7.3. Specific end use(s)

Specific end use(s)

Cleaning hard surfaces around the home providing antibacterial action.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Butyl Diglycol

Long-term exposure limit (8-hour TWA): ELV (IE) 67.5 10
Short-term exposure limit (15-minute): ELV (IE) 101.2 15
Short-term exposure limit (15-minute): WEL 101.2 15

Sodium Hydroxide

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

Citric Acid Monohydrate (CAS: 5949-29-1)

PNEC

- Fresh water; 0.44 mg/l
- Sediment (Freshwater); 3.46 mg/kg
- Sediment (Marinewater); 34.6 mg/kg
- Marine water; 0.044 mg/l
- STP; >1000 mg/l
- Soil; 33.1 mg/kg

8.2. Exposure controls

Environmental exposure controls

This product does not pose a hazard in normal use.
Antibacterial Cleanser

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear pink liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Mild Alcoholic</td>
</tr>
<tr>
<td>pH</td>
<td>pH (concentrated solution): 6-8</td>
</tr>
<tr>
<td>Initial boiling point and range</td>
<td>Not measured (&gt;100°C)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapour density</td>
<td>&gt; 1 (Air=1)</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.000-1.010</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>n-octanol/water Not available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>None</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

9.2. Other information

Other information: None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity: No reactivity hazards expected.

10.2. Chemical stability

Stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions: None under normal conditions.

10.4. Conditions to avoid

Conditions to avoid: None known.

10.5. Incompatible materials

Materials to avoid: None known.

10.6. Hazardous decomposition products

Hazardous decomposition products: Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity: The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.
Antibacterial Cleanser

12.2. Persistence and degradability
Persistence and degradability  Does not contain any components considered to be persistent. Contains detergents that satisfy the biodegradation requirements of directive 648/2004/EC.

12.3. Bioaccumulative potential
Partition coefficient  n-octanol/water  Not available.

12.4. Mobility in soil
Mobility  Mobile.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment  No data available.

12.6. Other adverse effects
Other adverse effects  Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information  Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment. Dispose of contaminated packaging in the same way as the product itself. Non-contaminated packages may be recycled.

SECTION 14: Transport information

General  Not regulated.

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Not regulated.

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 MARPOL73/78 and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code  Not applicable.

SECTION 15: Regulatory information

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

EU legislation

Dangerous Preparations Directive 1999/45/EC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by The London Oil Refining Company Ltd
Revision date 26/03/2015
Revision 1
SDS number 5002
Hazard statements in full
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
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.