SAFETY DATA SHEET
Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

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

1.1. Product identifier
Product name: Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER
Product number: A057 JA
Internal identification: BB450-1

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses: Concentrated Acidic Hard Surface Cleaner for Washrooms.

1.3. Details of the supplier of the safety data sheet
Supplier:
Jangro Limited
Jangro House
Worsley Road
Farnworth
Bolton. UK
BL4 9LU
Tel: 01204 795 955
Fax: 01204 579 499
enquiries@jangrohq.net

1.4. Emergency telephone number
Emergency telephone: 01772 318 818 - 8.30am to 4.45pm - Mon to Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards: Not Classified
Health hazards: Skin Irrit. 2 - H315 Eye Dam. 1 - H318
Environmental hazards: Aquatic Chronic 3 - H412

2.2. Label elements
Pictogram
Signal word: Danger
Hazard statements: H315 Causes skin irritation.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.
**Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER**

### Precautionary statements
- **P102** Keep out of reach of children.
- **P280** Wear protective gloves/ protective clothing/ eye protection/ face protection.
- **P301** IF SWALLOWED:
  - P302+P352 IF ON SKIN: Wash with plenty of water.
  - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P315 Get immediate medical advice/ attention.
- **P313** Get medical advice/ attention.
- **P332+P313** If skin irritation occurs: Get medical advice/ attention.

### Contains
- **ALCOHOL (C9-C11) ETHOXYLATE (6EO)**

#### 2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<table>
<thead>
<tr>
<th>Component</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITRIC ACID</td>
<td>20-25%</td>
</tr>
<tr>
<td>ALCOHOL (C9-C11) ETHOXYLATE (6EO)</td>
<td>5-10%</td>
</tr>
<tr>
<td>COCAMIDOPROPYL BETaine</td>
<td>3-5%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS number</th>
<th>EC number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CITRIC ACID</td>
<td>77-92-9</td>
<td>201-069-1</td>
<td>Eye Irrit. 2 - H319</td>
</tr>
<tr>
<td>ALCOHOL (C9-C11) ETHOXYLATE (6EO)</td>
<td>68439-46-3</td>
<td>931-296-8</td>
<td>Acute Tox. 4 - H302, Eye Dam. 1 - H318</td>
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<tr>
<td>COCAMIDOPROPYL BETaine</td>
<td>—</td>
<td>913-296-8</td>
<td>Eye Dam. 1 (H318) &gt;10%, Eye Irrit. 2 (H319) &gt;4% &lt;=10%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>REACH registration number</th>
</tr>
</thead>
<tbody>
<tr>
<td>COCAMIDOPROPYL BETaine</td>
<td>01-2119488533-30-0001</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Component</th>
<th>Spec Conc Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALCOHOL (C9-C11) ETHOXYLATE (6EO)</td>
<td>Eye Dam. 1 (H318) &gt;10%, Eye Irrit. 2 (H319) &gt;4% &lt;=10%</td>
</tr>
<tr>
<td>COCAMIDOPROPYL BETaine</td>
<td>Eye Dam. 1 (H318), Aquatic Chronic 3 - H412</td>
</tr>
</tbody>
</table>
Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

<table>
<thead>
<tr>
<th>ALKYL (C12-16) DIMETHYL BENZYL AMMONIUM CHLORIDE</th>
<th>1-3%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 68424-85-1</td>
<td>EC number: 270-325-2</td>
</tr>
<tr>
<td>M factor (Acute) = 10</td>
<td>M factor (Chronic) = 1</td>
</tr>
</tbody>
</table>

Classification
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
Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion
Do not induce vomiting. Give plenty of water to drink. Get medical attention.

Skin contact
Wash with plenty of water.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

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

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
Irritation of nose, throat and airway.

Ingestion
May cause discomfort if swallowed.

Skin contact
Causes skin irritation. Prolonged skin contact may cause redness and irritation.

Eye contact
Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

Notes for the doctor
Treat symptomatically.

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
Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

5.3. Advice for firefighters

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
## Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

### SECTION 6: Accidental release measures

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

| Personal precautions | Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8. |

#### 6.2. Environmental precautions

| Environmental precautions | Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. |

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

| Methods for cleaning up | Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely. |

#### 6.4. Reference to other sections

| Reference to other sections | For personal protection, see Section 8. |

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

| Usage precautions | Wear protective clothing, gloves, eye and face protection. |

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

| Storage precautions | Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials. |

#### 7.3. Specific end use(s)

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

| Usage description | See Product Information Sheet & Label for detailed use of this product. |

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

| Ingredient comments | No exposure limits known for ingredient(s). |

#### 8.2. Exposure controls

| Protective equipment | |

| Appropriate engineering controls | Not applicable. |

| Eye/face protection | Wear eye protection. |

| Hand protection | Wear protective gloves. (Household rubber gloves.) |

| Other skin and body protection | Wear appropriate clothing to prevent any possibility of skin contact. |

| Respiratory protection | Respiratory protection not required. |

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties
**Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER**

**Appearance**
Liquid.

**Colour**
Dark. Red.

**Odour**
Citrus.

**pH**
pH (concentrated solution): 1.60

**Melting point**
-1°C

**Initial boiling point and range**
101°C @ 760 mm Hg

**Flash point**
Boils without flashing.

**Relative density**
1.106 @ 20°C

**Solubility(ies)**
Soluble in water.

**Other information**
None.

### SECTION 10: Stability and reactivity

**10.1. Reactivity**
Reacts with alkalis and generates heat.

**10.2. Chemical stability**
No particular stability concerns.

**10.3. Possibility of hazardous reactions**
See sections 10.1, 10.4 & 10.5

**10.4. Conditions to avoid**
There are no known conditions that are likely to result in a hazardous situation.

**10.5. Incompatible materials**
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

**10.6. Hazardous decomposition products**
No known hazardous decomposition products.

### SECTION 11: Toxicological information

**11.1. Information on toxicological effects**

**Toxicological effects**
We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

**Other health effects**
Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

**Acute toxicity - oral**

**Notes (oral LD₅₀)**
Based on available data the classification criteria are not met.

**ATE oral (mg/kg)**
9,247.31

### SECTION 12: Ecological Information
Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

Ecotoxicity

Harmful to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

12.2. Persistence and degradability

Persistence and degradability

The surfactant(s) contained in this product complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

Not known.

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

Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

SECTION 14: Transport information

General

Not classified for Transport.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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

SECTION 15: Regulatory information

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

EU legislation

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

### SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**
- PBT: Persistent, Bioaccumulative and Toxic substance.
- vPvB: Very Persistent and Very Bioaccumulative.
- ATE: Acute Toxicity Estimate.
- GHS: Globally Harmonized System.
- Spec Conc Limits = Specific Concentration Limits.

**Classification abbreviations and acronyms**
- Acute Tox. = Acute toxicity
- Aquatic Acute = Hazardous to the aquatic environment (acute)
- Aquatic Chronic = Hazardous to the aquatic environment (chronic)
- Eye Dam. = Serious eye damage
- Eye Irrit. = Eye irritation
- Skin Corr. = Skin corrosion
- Skin Irrit. = Skin irritation

**Key literature references and sources for data**
- Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&L Inventory database.

**Classification procedures according to Regulation (EC) 1272/2008**
- Calculation Method.

**Revision comments**
- Addition of Environmental Statement(s) due to change in M-Factor of a Raw Material. & Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&16)

**Revision date**
- 09/02/2018

**Revision**
- 5

**SDS status**
- The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.

**Hazard statements in full**
- H302 Harmful if swallowed.
- 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.
- H412 Harmful to aquatic life with long lasting effects.