

SDS conforms with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends (EC) No 2015/830, 453/2010 & 1907/2006)" and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".



## 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 BB451-1 PCS No. 101675  
 UFI UFI: Q7YM-SQSQ-1WNE-58V2

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

Identified uses Concentrated Acidic Hard Surface Cleaner for Washrooms. - For use in Evans e:dose system.

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

Supplier	UK: Jangro Limited Parklands 1A, 3rd Floor Lostock Bolton, UK BL6 4SD Tel: 01204 795 955 Fax: 01204 579 499 enquiries@jangrohq.net	Europe: Jangro (Europe) Limited 6-9 Trinity Street Dublin 2 D02 EY47 Ireland Tel: 01 617 7911
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##### 1.4. Emergency telephone number

Emergency telephone 01772 318 818 - Mon to Thur 8.00am to 5.30pm  
 National emergency telephone number For Health Care Professionals only  
 For use in UK: Contact the National Poisons Information Service for further advice.  
 For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-80921668092166 – 8am to 10pm every day).

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture Classification (EU: 1272/2008 & UK: SI 2020/1567 which amends SI 2019 No. 720)

Physical hazards Not Classified  
 Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318  
 Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

##### 2.2. Label elements

Hazard pictograms



Signal word Danger

## Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

Hazard statements	H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	P102 Keep out of reach of children. P260 Do not breathe mist. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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. P501 Dispose of contents/ container in accordance with local regulations.
Contains	DIDECYL DIMETHYL AMMONIUM CHLORIDE

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. Including - Endocrine disrupting properties: None known.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

CITRIC ACID	20-25%
CAS number: 77-92-9	EC number: 201-069-1
Classification	
Eye Irrit. 2 - H319	
DIDECYL DIMETHYL AMMONIUM CHLORIDE	5-10%
CAS number: 7173-51-5	EC number: 230-525-2
M factor (Acute) = 10	
Classification	
Acute Tox. 4 - H302	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 2 - H411	
ALCOHOL (C9-11) ETHOXYLATE (8EO)	3-5%
CAS number: 68439-46-3	
Alternative CAS Nos 160875-66-1, 68439-45-2	
Classification	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
PROPAN-2-OL	1-3%
CAS number: 67-63-0	EC number: 200-661-7
Classification	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	

The Full Text for all Hazard Statements are Displayed in Section 16.

## Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

### 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. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.
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 chemical burns in mouth and throat.
Skin contact	Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.
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.
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### 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.
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#### 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.
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#### 5.3. Advice for firefighters

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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### 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.
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#### 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.
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#### 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.
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#### 6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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## Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

### 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. & Alkalis.

#### 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 Occupational exposure limits

##### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

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

#### 8.2. Exposure controls

##### Protective equipment



Appropriate engineering controls                      Not applicable.

Eye/face protection                      The following protection should be worn: Chemical splash goggles or face shield.

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

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                      86°C . Measured using test method, Closed cup.

Flammability (solid, gas)                      Not applicable.

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Upper/lower flammability or explosive limits Not applicable.

Vapour pressure Not available.

Vapour density Not available.

Relative density 1.084 @ 20°C

Solubility(ies) Soluble in water.

Partition coefficient Not applicable.

Auto-ignition temperature Not applicable.

Decomposition Temperature Not applicable.

Viscosity Not available.

### 9.2. Other information

Other information None.

Particle size Not applicable.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity Reacts with alkalis and generates heat.

### 10.2. Chemical stability

Stability No particular stability concerns.

### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions See sections 10.1, 10.4 & 10.5

### 10.4. Conditions to avoid

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

### 10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

## Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

### 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 LD<sub>50</sub>) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 6,394.58

#### Acute toxicity - dermal

Summary Not applicable.

#### Acute toxicity - inhalation

Summary Not applicable.

#### Skin corrosion/irritation

Skin corrosion/irritation Causes severe burns.

#### Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye damage.

#### Respiratory sensitisation

Summary Not applicable.

#### Skin sensitisation

Summary Not applicable.

#### Germ cell mutagenicity

Summary Not applicable.

#### Carcinogenicity

Summary Not applicable.

#### Reproductive toxicity

Summary Not applicable.

#### Specific target organ toxicity - single exposure

Summary Not applicable.

#### Specific target organ toxicity - repeated exposure

Summary Not applicable.

#### Aspiration hazard

Summary Not applicable.

11.2. Information on other Hazards None known.

11.2.1 Endocrine disrupting properties None known.

## Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

### SECTION 12: Ecological information

Ecotoxicity Very toxic to aquatic life. 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(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended). and UK Regulation: SI 2020 No. 1617 "The Detergents (Amendment) (EU Exit) Regulations 2020".

#### 12.3. Bioaccumulative potential

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

Partition coefficient Not applicable.

#### 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. Endocrine disrupting properties None known.

#### 12.7. Other adverse effects

Other adverse effects None 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 1L As supplied, this product is consigned under the Limited Quantities provisions.

#### 14.1. UN number

UN No. (ADR/RID) 1760

UN No. (IMDG) 1760

UN No. (ICAO) 1760

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID) CORROSIVE LIQUID N.O.S. (citric acid, didecyl dimethyl ammonium chloride)

Proper shipping name (IMDG) CORROSIVE LIQUID N.O.S. (citric acid, didecyl dimethyl ammonium chloride)

Proper shipping name (ICAO) CORROSIVE LIQUID N.O.S. (citric acid, didecyl dimethyl ammonium chloride)

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### 14.3. Transport hazard class(es)

ADR/RID class	Class 8: Corrosive Substances.
ADR/RID label	8
IMDG class	Class 8: Corrosive Substances.
ICAO class/division	Class 8: Corrosive Substances.

#### Transport labels



### 14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



### 14.6. Special precautions for user

EmS	F-A, S-B
Tunnel restriction code	(E)

### 14.7. Maritime transport in bulk according to IMO instruments

Transport in bulk according to Annex II of MARPOL And the IBC Code	Not relevant for a packaged product.
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## SECTION 15: Regulatory information

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

EU legislation	<p>Safety Data Sheet prepared in accordance with EU Regulation: "REACH Commission Regulation (EU) No 2020/878 (which amends Regulation (EC) No 2015/830, 453/2010 &amp; 1907/2006)." and UK Regulation: "SI 2020 No. 1577 - The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020".</p> <p>The product is as classified under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling &amp; packaging of substances &amp; mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020." (which amends SI 2019 No.720).</p> <p>Ingredients are listed with classification under - EU GHS: CLP - "Regulation (EC) No 1272/2008 classification, labelling &amp; packaging of substances &amp; mixtures." and UK GHS: "SI 2020 No. 1567 - The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020." (which amends SI 2019 No.720).</p>
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### 15.2. Chemical safety assessment

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



## Jangro - Enviro Concentrate - W1 WASHROOM BACTERICIDAL CLEANER

### SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<p>PBT: Persistent, Bioaccumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bioaccumulative.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.</p> <p>GHS: Globally Harmonized System.</p> <p>Spec Conc Limits = Specific Concentration Limits.</p>
Classification abbreviations and acronyms	<p>Acute Tox. = Acute toxicity</p> <p>Aquatic Acute = Hazardous to the aquatic environment (acute)</p> <p>Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p> <p>Eye Dam. = Serious eye damage</p> <p>Eye Irrit. = Eye irritation</p> <p>Flam. Liq. = Flammable liquid</p> <p>Skin Corr. = Skin corrosion</p> <p>STOT SE = Specific target organ toxicity-single exposure</p>
Key literature references and sources for data	Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.
Classification procedures	Calculation Method.
Revision comments	Change of UK Address- No change in Product Classification. (Changes made to sections 1+16)
Revision date	16/09/2024
Revision	9
Hazard statements in full	<p>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.</p> <p>H225 Highly flammable liquid and vapour.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H400 Very toxic to aquatic life.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>