



## SAFETY DATA SHEET

### JANGRO DISHWASHER CAPSULES 5 in 1

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

##### 1.1. Product identifier

<b>Product name</b>	JANGRO DISHWASHER CAPSULES 5 in 1
<b>Product number</b>	800-289-0017, BB103
<b>Container size</b>	150 capsules

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

<b>Identified uses</b>	Machine dishwashing detergent.
<b>Uses advised against</b>	DO NOT use for hand dishwashing. Not for Oral Consumption. Use only for intended applications.

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

<b>Supplier</b>	Jangro Limited Parklands 1A 3rd Floor Lostock Bolton BL6 4SD  Tel. 01204 795955  Jangro (Europe) Ltd 6-9 Trinity Street, Dublin 2 D02 EY47 Ireland Tel.016177911
<b>Contact person</b>	For content of safety data sheet:, sds@coventrychemicals.com

##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	+44 (0) 1204 795 955 (Jangro)
<b>National emergency telephone number</b>	UK: In case of a medical emergency following exposure to a chemical call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 Ireland: For information or to report a poisoning incident contact The National Poisons Information Centre (01 8092166)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (SI 2019 No. 720)

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
<b>Environmental hazards</b>	Not Classified

## JANGRO DISHWASHER CAPSULES 5 in 1

### 2.2. Label elements

#### Hazard pictograms



<b>Signal word</b>	Danger
<b>Hazard statements</b>	EUH208 Contains LINALOOL, LIMONENE. May produce an allergic reaction. H315 Causes skin irritation. H318 Causes serious eye damage.
<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P264 Wash hands thoroughly after handling. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor. P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with local regulations.
<b>Contains</b>	SODIUM PERCARBONATE, C12-14-ALKYL ETHER SULFATES, Alcohols, C9-11, Ethoxylated
<b>Detergent labelling</b>	5 - < 15% oxygen-based bleaching agents, < 5% anionic surfactants, < 5% EDTA and salts thereof, < 5% enzymes, < 5% non-ionic surfactants, < 5% perfumes, Contains LINALOOL, d-LIMONENE, CITRONELLOL
<b>Supplementary precautionary statements</b>	P102 Keep out of reach of children.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >0.1% published by the European Chemicals Agency (ECHA) under article 57 of the REACH regulation (as amended). This product is not classified as, nor contains substances classed as having endocrine disrupting characteristics at levels >0.1% by weight (according to Regulation (EU) 2018/605).

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>SODIUM CARBONATE</b>	<b>10-30%</b>
CAS number: 497-19-8	EC number: 207-838-8
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Eye Irrit. 2 - H319	Xi;R36
<b>SODIUM PERCARBONATE</b>	<b>10-30%</b>
CAS number: 15630-89-4	EC number: 239-707-6
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Ox. Sol. 3 - H272	Xn;R22. Xi;R41. O;R8.
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	

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<b>SODIUM METASILICATE PENTAHYDRATE</b>		<b>1-5%</b>
CAS number: 10213-79-3		EC number: 229-912-9
<b>Classification</b>		
Met. Corr. 1 - H290		
Skin Corr. 1A - H314		
STOT SE 3 - H335		
<b>C12-14 ALKYL ETHER SULFATES</b>		<b>1-5%</b>
CAS number: 68891-38-3		EC number: 500-234-8
<b>Classification</b>		
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
Aquatic Chronic 3 - H412		
<b>Alcohols, C9-11, Ethoxylated</b>		<b>1-5%</b>
CAS number: 68439-46-3		EC number: 614-482-0
<b>Classification</b>		
Acute Tox. 4 - H302		
Eye Dam. 1 - H318		
<b>LINALOOL</b>		<b>&lt;1%</b>
CAS number: 78-70-6		EC number: 201-134-4
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315		Xi;R38. R43.
Eye Irrit. 2 - H319		
Skin Sens. 1B - H317		
<b>LIMONENE</b>		<b>&lt;1%</b>
CAS number: 5989-27-5		EC number: 227-813-5
M factor (Acute) = 1		M factor (Chronic) = 1
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 3 - H226		R10 R43 Xi;R38 N;R50/53
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
Asp. Tox. 1 - H304		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		

## JANGRO DISHWASHER CAPSULES 5 in 1

<b>CITRONELLOL</b>	<b>&lt;1%</b>
CAS number: 106-22-9	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Skin Irrit. 2 - H315	Xi;R38. N;R51/53. R43.
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	

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

<b>General information</b>	Provide eyewash station.
<b>Inhalation</b>	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

<b>General information</b>	The product contains a sensitising substance.
<b>Inhalation</b>	May cause respiratory irritation.
<b>Ingestion</b>	May cause discomfort if swallowed. Nausea, vomiting. Diarrhoea.
<b>Skin contact</b>	Irritating to skin. The product contains a sensitising substance. Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

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

<b>Notes for the doctor</b>	No specific recommendations.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Use fire-extinguishing media suitable for the surrounding fire. Foam. Powder. Carbon dioxide (CO <sub>2</sub> ). Water spray.
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#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	The product is non-combustible.
<b>Hazardous combustion products</b>	No known hazardous decomposition products.

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses.
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## JANGRO DISHWASHER CAPSULES 5 in 1

**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** Avoid inhalation of dust. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. If involved in a fire, shut off flow if it can be done without risk.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Do not eat, drink or smoke when using the product.

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

**Storage precautions** Store in tightly-closed, original container. Keep container dry.

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

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

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

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

#### SODIUM CHLORIDE (CAS: 7647-14-5)

##### DNEL

Workers - Inhalation; Long term systemic effects: 2068.62 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term systemic effects: 2068.62 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 295.52 mg/kg/day  
 Workers - Dermal; Short term systemic effects: 295.52 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 443.28 mg/m<sup>3</sup>  
 General population - Inhalation; Short term systemic effects: 443.28 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 126.65 mg/kg/day  
 General population - Dermal; Short term systemic effects: 126.65 mg/kg/day  
 General population - Oral; Long term systemic effects: 126.65 mg/kg/day  
 General population - Oral; Short term systemic effects: 126.65 mg/kg/day

## JANGRO DISHWASHER CAPSULES 5 in 1

- PNEC**
- Fresh water; 5 mg/l
  - Intermittent release; 19
  - STP; 500 mg/l
  - Soil; 4.86 mg/kg

### SODIUM CARBONATE (CAS: 497-19-8)

- DNEL**
- Workers - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>  
 General population - Inhalation; Long term local effects: 10 mg/m<sup>3</sup>

### SODIUM PERCARBONATE (CAS: 15630-89-4)

- DNEL**
- Workers - Inhalation; Long term local effects: 5 mg/m<sup>3</sup>  
 Workers - Dermal; Long term local effects: 12.8 mg/cm<sup>2</sup>  
 Workers - Dermal; Short term local effects: 12.8 mg/cm<sup>2</sup>  
 General population - Dermal; Long term local effects: 6.4 mg/cm<sup>2</sup>  
 General population - Dermal; Short term local effects: 6.4 mg/cm<sup>2</sup>

- PNEC**
- Fresh water; 0.035 mg/l
  - marine water; 0.035 mg/l
  - STP; 16.24 mg/l

### C12-14 ALKYL ETHER SULFATES (CAS: 68891-38-3)

- DNEL**
- Workers - Inhalation; Long term systemic effects: 175 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 2750 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 52 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day  
 Consumer - Oral; Long term systemic effects: 15 mg/kg/day

- PNEC**
- Fresh water; 0.24 mg/l
  - marine water; 0.024 mg/l
  - Intermittent release; 0.071 mg/l
  - Sediment, Fresh water; 0.917 mg/kg
  - Sediment, marine water; 0.092 mg/kg
  - Soil; 7.5 mg/kg
  - STP; 10,000 mg/l

### LINALOOL (CAS: 78-70-6)

- DNEL**
- Workers - Inhalation; Long term systemic effects: 2.8 mg/m<sup>3</sup>  
 Workers - Inhalation; Short term systemic effects: 16.5 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 2.5 mg/kg  
 Workers - Dermal; Short term systemic effects: 5 mg/kg/day  
 Workers - Dermal; Long term local effects: 3 mg/cm<sup>2</sup>  
 Workers - Dermal; Short term local effects: 3 mg/cm<sup>2</sup>  
 General population - Inhalation; Long term systemic effects: 0.7 mg/m<sup>3</sup>  
 General population - Inhalation; Short term systemic effects: 4.1 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 1.25 mg/kg/day  
 General population - Dermal; Short term systemic effects: 2.5 mg/kg/day  
 General population - Dermal; Long term, Short term local effects: 1.5 mg/cm<sup>2</sup>  
 General population - Oral; Long term systemic effects: 0.2 mg/kg/day  
 General population - Oral; Short term systemic effects: 1.2 mg/kg/day

## JANGRO DISHWASHER CAPSULES 5 in 1

<b>PNEC</b>	- Fresh water; 0.2 mg/l
	- marine water; 0.02 mg/l
	- STP; 10 mg/l
	- Sediment (Freshwater); 2.22 mg/kg
	- Sediment (Marinewater); 0.222 mg/kg
	- Soil; 0.327 mg/kg
	- ;

### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

<b>DNEL</b>	General population - Oral; Long term systemic effects: 25 mg/kg/day
	General population - Inhalation; Long term local effects: 0.6 mg/m <sup>3</sup>
	General population - Inhalation; Short term local effects: 1.2 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 1.5 mg/m <sup>3</sup>
	Workers - Inhalation; Short term local effects: 3 mg/m <sup>3</sup>
<b>PNEC</b>	- Fresh water; 2.2 mg/l
	- marine water; 0.22 mg/l
	- Intermittent release; 1.2 mg/l
	- STP; 43 mg/l
	- Soil; 0.72 mg/kg

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Personal protection

Data provided here is not a risk/COSHH assessment. It relates to the product as supplied and should be used in developing a risk/COSHH assessment.

#### Eye/face protection

Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

#### Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Use appropriate skin cream to prevent drying of skin.

#### Hygiene measures

Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.

#### Respiratory protection

Respiratory protection not required.

#### Environmental exposure controls

Avoid releasing into the environment.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Capsules
<b>Colour</b>	White with blue speckles

## JANGRO DISHWASHER CAPSULES 5 in 1

<b>Odour</b>	Citrus.
<b>Odour threshold</b>	Not applicable. Not applicable.
<b>pH</b>	pH (concentrated solution): pH (diluted solution): 10.4-10.8 @ 1% solution
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	Not applicable.
<b>Flash point</b>	This product does not sustain combustion. This product is not flammable.
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not flammable. This product does not sustain combustion.
<b>Upper/lower flammability or explosive limits</b>	Product is not considered to be flammable nor explosive
<b>Other flammability</b>	No information required.
<b>Vapour pressure</b>	No information available.
<b>Vapour density</b>	No information available.
<b>Relative density</b>	0.98-1.14 @ @ 20°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Partition coefficient</b>	Not technically possible for a mixture.
<b>Auto-ignition temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	The product contains a substance classified as oxidising. Does not meet the criteria for classification as oxidising.
<b>Comments</b>	Information given concerns the solid substance.

### 9.2. Other information

**Other information** Not relevant.

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Not applicable.

### 10.4. Conditions to avoid



## JANGRO DISHWASHER CAPSULES 5 in 1

**Conditions to avoid** Water, moisture.

### 10.5. Incompatible materials

**Materials to avoid** Do not mix with other cleaning chemicals.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None when stored and handled correctly

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Information given is based on data of the components and of similar products.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Estimated value. Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 7,199.96

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Skin corrosion/irritation** May cause skin irritation.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

#### Respiratory sensitisation

**Respiratory sensitisation** May cause sensitisation or allergic reactions in sensitive individuals.

#### Skin sensitisation

**Skin sensitisation** May cause sensitisation or allergic reactions in sensitive individuals.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Does not contain any substances known to be mutagenic.

#### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Does not contain any substances known to be toxic to reproduction.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

#### **General information**

This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

#### **Inhalation**

No risk from inhalation in normal use

#### **Ingestion**

Large quantities swallowed may cause gastro-intestino irritation, possibly vomiting

## JANGRO DISHWASHER CAPSULES 5 in 1

**Skin contact** May cause skin irritation. Prolonged contact may cause redness, irritation and dry skin. May cause sensitisation or allergic reactions in sensitive individuals.

**Eye contact** Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

### 11.2 Information on other hazards

#### 11.2.1. Endocrine disrupting properties

#### 11.2.2 Other information

#### Toxicological information on ingredients.

#### SODIUM CARBONATE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,800.0

Species Rat

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.0

Species Rabbit

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l) 2.3

Species Rat

#### SODIUM PERCARBONATE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 1,034.0

Species Rat

ATE oral (mg/kg) 1,034.0

##### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.1

Species Rabbit

ATE dermal (mg/kg) 2,000.1

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> dust/mist mg/l) 2.3

Species Rat

## JANGRO DISHWASHER CAPSULES 5 in 1

### LINALOOL

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,790.0

Species Rat

ATE oral (mg/kg) 2,790.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 5,610.0

Species Rabbit

ATE dermal (mg/kg) 5,610.0

#### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 3.2

Species Mouse

#### Skin corrosion/irritation

Skin corrosion/irritation REACH dossier information. Irritating to skin.

Animal data REACH dossier information. Not fully reversible in 7 days Irritating to skin. Erythema/eschar score: Well defined erythema (2).

#### Serious eye damage/irritation

Serious eye damage/irritation REACH dossier information. Causes eye irritation.

#### Skin sensitisation

Skin sensitisation REACH dossier information. May cause an allergic skin reaction.

### LIMONENE

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,000.1

Species Rat

Notes (oral LD<sub>50</sub>) REACH dossier information.

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 5,000.1

Species Rabbit

Notes (dermal LD<sub>50</sub>) REACH dossier information.

ATE dermal (mg/kg) 5,000.1

#### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) REACH dossier information. No information available.

## JANGRO DISHWASHER CAPSULES 5 in 1

### Skin corrosion/irritation

**Skin corrosion/irritation** REACH dossier information. Not irritating.

**Animal data** Erythema/eschar score: Well defined erythema (2). Not fully reversible in 7 days

### Serious eye damage/irritation

**Serious eye damage/irritation** Not irritating. REACH dossier information.

### Respiratory sensitisation

**Respiratory sensitisation** REACH dossier information. No information available.

### Skin sensitisation

**Skin sensitisation** Sensitising. REACH dossier information. Local Lymph Node Assay (LLNA) - Mouse: Sensitising.

### Germ cell mutagenicity

**Genotoxicity - in vitro** REACH dossier information. This substance has no evidence of mutagenic properties.

**Genotoxicity - in vivo** REACH dossier information. Negative.

### Carcinogenicity

**Carcinogenicity** REACH dossier information. Carcinogenicity in humans is not expected.

### Reproductive toxicity

**Reproductive toxicity - fertility** No information available. REACH dossier information.

**Reproductive toxicity - development** No evidence of reproductive toxicity in animal studies. REACH dossier information.

### Specific target organ toxicity - single exposure

**STOT - single exposure** REACH dossier information. No information available.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** REACH dossier information. No information available.

### Aspiration hazard

**Aspiration hazard** No information available. REACH dossier information.

## SECTION 12: Ecological information

**Ecotoxicity** There are no data on the ecotoxicity of this product. Not regarded as dangerous for the environment.

### 12.1. Toxicity

#### Ecological information on ingredients.

#### SODIUM CARBONATE

##### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 300 mg/l, *Lepomis macrochirus* (Bluegill)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 48 hours: 265 mg/l, *Daphnia magna*

## JANGRO DISHWASHER CAPSULES 5 in 1

### SODIUM PERCARBONATE

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 70.7 hours: 48 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 4.9 mg/l, Freshwater invertebrates REACH dossier information.

### LINALOOL

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	REACH dossier information. LC <sub>50</sub> , 96 hours: 27.8 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	REACH dossier information. EC <sub>50</sub> , 48 hours: 59 mg/l, Daphnia magna

### LIMONENE

#### Acute aquatic toxicity

<b>LE(C)<sub>50</sub></b>	0.1 < L(E)C <sub>50</sub> ≤ 1
<b>M factor (Acute)</b>	1
<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: 0.72 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 21 days: 0.188 mg/l, Daphnia magna REACH dossier information.
<b>Acute toxicity - microorganisms</b>	EC <sub>50</sub> , 3 hours: 209 mg/l, Activated sludge REACH dossier information.
<b><u>Chronic aquatic toxicity</u></b>	
<b>NOEC</b>	0.01 < NOEC ≤ 0.1
<b>Degradability</b>	Non-rapidly degradable
<b>M factor (Chronic)</b>	1
<b>Chronic toxicity - fish early life stage</b>	NOEC, 8 days: 0.059 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Chronic toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 21 days: 0.188 mg/l, Daphnia magna

#### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product. The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in The Detergents Regulations (as amended).

#### Ecological information on ingredients.

### LINALOOL

<b>Biodegradation</b>	REACH dossier information. The substance is readily biodegradable.
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## JANGRO DISHWASHER CAPSULES 5 in 1

### LIMONENE

**Biodegradation** REACH dossier information.  
The substance is readily biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not technically possible for a mixture.

#### Ecological information on ingredients.

### LINALOOL

**Partition coefficient** REACH dossier information. log Pow: 2.9

#### 12.4. Mobility in soil

**Mobility** The product is water-soluble and may spread in water systems.

#### Ecological information on ingredients.

### LINALOOL

**Surface tension** REACH dossier information. 8.3 mN/m @ 20°C

#### 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

**Endocrine disrupting properties**

#### Ecological information on ingredients.

### LINALOOL

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

#### 12.6. Other adverse effects

**Other adverse effects** None known.

#### Ecological information on ingredients.

### LINALOOL

**Other adverse effects** Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Do not discharge into drains or watercourses or onto the ground.

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

## SECTION 14: Transport information

## JANGRO DISHWASHER CAPSULES 5 in 1

### 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

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 Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).  
The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 (SI 2020 No. 1577) (as amended).  
The Product Safety and Metrology etc. (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019 No. 696) (as amended).  
The Detergents Regulations 2010 (SI 2010 No. 740) (as amended). The Detergents (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 612) (as amended). The Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (SI 2019 No. 671) (as amended).  
The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
EH40/2005 Workplace exposure limits.

##### EU legislation

Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006.  
European Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (as amended)  
European Regulation (EC) No 1907/2006 - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended)  
European Regulation (EC) No 648/2004 on detergents (as amended)

## JANGRO DISHWASHER CAPSULES 5 in 1

<b>Guidance</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG228. COSHH Essentials. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.
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### 15.2. Chemical safety assessment

No information available.

### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
<b>Revision comments</b>	This is the first issue.
<b>Revision date</b>	11/01/2024
<b>Revision</b>	2
<b>Supersedes date</b>	18/11/2019
<b>SDS number</b>	22160
<b>Risk phrases in full</b>	R22 Harmful if swallowed. R36 Irritating to eyes. R41 Risk of serious damage to eyes. R8 Contact with combustible material may cause fire.
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H272 May intensify fire; oxidiser. H290 May be corrosive to metals. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory 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. EUH208 Contains LINALOOL, LIMONENE. May produce an allergic reaction.

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