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

Product name JANGRO DISHWASHER CAPSULES 5 in 1

Product number 800-289-0017, BB103

Container size 150 capsules

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

Identified uses Machine dishwashing detergent.

Uses advised against 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

Supplier

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

Contact person For content of safety data sheet:, sds@coventrychemicals.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 1204 795 955 (Jangro)

National emergency telephone number

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)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Not Classified

JANGRO DISHWASHER CAPSULES 5 in 1

2.2. Label elements

Hazard pictograms



Signal word	Danger
Hazard statements	EUH208 Contains LINALOOL, LIMONENE. May produce an allergic reaction. H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statements	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.
Contains	SODIUM PERCARBONATE, C12-14-ALKYL ETHER SULFATES, Alcohols, C9-11, Ethoxylated
Detergent labelling	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
Supplementary precautionary statements	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

SODIUM CARBONATE **10-30%**

CAS number: 497-19-8 EC number: 207-838-8

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

SODIUM PERCARBONATE **10-30%**

CAS number: 15630-89-4 EC number: 239-707-6

Classification	Classification (67/548/EEC or 1999/45/EC)
Ox. Sol. 3 - H272 Acute Tox. 4 - H302 Eye Dam. 1 - H318	Xn;R22. Xi;R41. O;R8.

JANGRO DISHWASHER CAPSULES 5 in 1

SODIUM METASILICATE PENTAHYDRATE **1-5%**

CAS number: 10213-79-3 EC number: 229-912-9

Classification
Met. Corr. 1 - H290
Skin Corr. 1A - H314
STOT SE 3 - H335

C12-14 ALKYL ETHER SULFATES **1-5%**

CAS number: 68891-38-3 EC number: 500-234-8

Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Aquatic Chronic 3 - H412

Alcohols, C9-11, Ethoxylated **1-5%**

CAS number: 68439-46-3 EC number: 614-482-0

Classification
Acute Tox. 4 - H302
Eye Dam. 1 - H318

LINALOOL **<1%**

CAS number: 78-70-6 EC number: 201-134-4

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Skin Sens. 1B - H317

Classification (67/548/EEC or 1999/45/EC)
Xi;R38. R43.

LIMONENE **<1%**

CAS number: 5989-27-5 EC number: 227-813-5

M factor (Acute) = 1 M factor (Chronic) = 1

Classification
Flam. Liq. 3 - H226
Skin Irrit. 2 - H315
Skin Sens. 1 - H317
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Classification (67/548/EEC or 1999/45/EC)
R10 R43 Xi;R38 N;R50/53

JANGRO DISHWASHER CAPSULES 5 in 1

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

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

General information Provide eyewash station.

Inhalation Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion 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.

Skin contact Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.

Eye contact 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

General information The product contains a sensitising substance.

Inhalation May cause respiratory irritation.

Ingestion May cause discomfort if swallowed. Nausea, vomiting. Diarrhoea.

Skin contact Irritating to skin. The product contains a sensitising substance. Prolonged contact may cause redness, irritation and dry skin.

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

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use fire-extinguishing media suitable for the surrounding fire. Foam. Powder. Carbon dioxide (CO2). Water spray.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is non-combustible.

Hazardous combustion products No known hazardous decomposition products.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses.

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/m³ Workers - Inhalation; Short term systemic effects: 2068.62 mg/m³ 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/m³ General population - Inhalation; Short term systemic effects: 443.28 mg/m³ 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/m³
General population - Inhalation; Long term local effects: 10 mg/m³

SODIUM PERCARBONATE (CAS: 15630-89-4)

DNEL
Workers - Inhalation; Long term local effects: 5 mg/m³
Workers - Dermal; Long term local effects: 12.8 mg/cm²
Workers - Dermal; Short term local effects: 12.8 mg/cm²
General population - Dermal; Long term local effects: 6.4 mg/cm²
General population - Dermal; Short term local effects: 6.4 mg/cm²

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/m³
Workers - Dermal; Long term systemic effects: 2750 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 52 mg/m³
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/m³
Workers - Inhalation; Short term systemic effects: 16.5 mg/m³
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/cm²
Workers - Dermal; Short term local effects: 3 mg/cm²
General population - Inhalation; Long term systemic effects: 0.7 mg/m³
General population - Inhalation; Short term systemic effects: 4.1 mg/m³
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/cm²
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

PNEC	- 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)

DNEL	General population - Oral; Long term systemic effects: 25 mg/kg/day General population - Inhalation; Long term local effects: 0.6 mg/m³ General population - Inhalation; Short term local effects: 1.2 mg/m³ Workers - Inhalation; Long term local effects: 1.5 mg/m³ Workers - Inhalation; Short term local effects: 3 mg/m³
PNEC	- 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

Appearance	Capsules
Colour	White with blue speckles

JANGRO DISHWASHER CAPSULES 5 in 1

Odour	Citrus.
Odour threshold	Not applicable. Not applicable.
pH	pH (concentrated solution): pH (diluted solution): 10.4-10.8 @ 1% solution
Melting point	No information available.
Initial boiling point and range	Not applicable.
Flash point	This product does not sustain combustion. This product is not flammable.
Evaporation rate	Not applicable.
Evaporation factor	Not applicable.
Flammability (solid, gas)	Not flammable. This product does not sustain combustion.
Upper/lower flammability or explosive limits	Product is not considered to be flammable nor explosive
Other flammability	No information required.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	0.98-1.14 @ @ 20°C
Solubility(ies)	Soluble in water.
Partition coefficient	Not technically possible for a mixture.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	Not applicable.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The product contains a substance classified as oxidising. Does not meet the criteria for classification as oxidising.
Comments	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_{50}) 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_{50}) Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) 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_{50} mg/kg)	2,800.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rabbit
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} dust/mist mg/l)	2.3
Species	Rat

SODIUM PERCARBONATE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	1,034.0
Species	Rat
ATE oral (mg/kg)	1,034.0
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	2,000.1
Species	Rabbit
ATE dermal (mg/kg)	2,000.1
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} dust/mist mg/l)	2.3
Species	Rat

JANGRO DISHWASHER CAPSULES 5 in 1

LINALOOL

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,790.0
Species	Rat
ATE oral (mg/kg)	2,790.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	5,610.0
Species	Rabbit
ATE dermal (mg/kg)	5,610.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} 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_{50} mg/kg)	2,000.1
Species	Rat
Notes (oral LD_{50})	REACH dossier information.

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	5,000.1
Species	Rabbit
Notes (dermal LD_{50})	REACH dossier information.
ATE dermal (mg/kg)	5,000.1

Acute toxicity - inhalation

Notes (inhalation LC_{50})	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_{50}, 96 hours: 300 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 265 mg/l, Daphnia magna

JANGRO DISHWASHER CAPSULES 5 in 1

SODIUM PERCARBONATE

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 70.7 hours: 48 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 4.9 mg/l, Freshwater invertebrates REACH dossier information.

LINALOOL

Acute aquatic toxicity

Acute toxicity - fish	REACH dossier information. LC_{50}, 96 hours: 27.8 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	REACH dossier information. EC_{50}, 48 hours: 59 mg/l, Daphnia magna

LIMONENE

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 0.72 mg/l, Pimephales promelas (Fat-head Minnow) REACH dossier information.
Acute toxicity - aquatic invertebrates	EC_{50}, 21 days: 0.188 mg/l, Daphnia magna REACH dossier information.
Acute toxicity - microorganisms	EC_{50}, 3 hours: 209 mg/l, Activated sludge REACH dossier information.

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Non-rapidly degradable
M factor (Chronic)	1
Chronic toxicity - fish early life stage	NOEC, 8 days: 0.059 mg/l, Pimephales promelas (Fat-head Minnow)
Chronic toxicity - aquatic invertebrates	EC_{50}, 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

Biodegradation	REACH dossier information. The substance is readily biodegradable.

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 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

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

Guidance	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.

15.2. Chemical safety assessment

No information available.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Revision comments	This is the first issue.
Revision date	11/01/2024
Revision	2
Supersedes date	18/11/2019
SDS number	22160
Risk phrases in full	R22 Harmful if swallowed. R36 Irritating to eyes. R41 Risk of serious damage to eyes. R8 Contact with combustible material may cause fire.
Hazard statements in full	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.

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.