



SAFETY DATA SHEET JANGRO GREEN DETERGENT

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name JANGRO GREEN DETERGENT

Product number BB045-5

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

Identified uses Washing and cleaning.

1.3. Details of the supplier of the safety data sheet

Supplier Jangro Ltd
Jangro Ltd
Jangro House
Worsely Road, Farnworth
Bolton, BL4 9LU
0845 458 5223
01204 576801

1.4. Emergency telephone number

Emergency telephone 0845 458 5223 (Jangro)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulations.
P102 Keep out of reach of children.

2.3. Other hazards

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This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

SULFURIC ACID, C12-14-ALKYL (EVEN NUMBERED) ESTERS, SODIUM SALTS			1-5%
CAS number: 85586-07-8	EC number: 287-809-4	REACH registration number: 01-2119489463-28-XXXX	

Classification

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

Classification (67/548/EEC or 1999/45/EC)

Xn;R22. Xi;R38,R41.

ALCOHOLS, C12-14, ETHOXYLATED < 2.5 EO, SULFATES, SODIUM SALTS			<1%
CAS number: 68891-38-3	EC number: 500-234-8	REACH registration number: 01-2119488639-16-XXXX	

Classification

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

Classification (67/548/EEC or 1999/45/EC)

Xi;R38,R41.

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	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

Skin contact	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.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire. Foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

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

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 For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

6.2. Environmental precautions

Environmental precautions Collect and dispose of spillage as indicated in Section 13. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

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 spilling. Avoid contact with skin and eyes. Avoid contact with acids and other cleaning agents. Wear protective clothing as described in Section 8 of this safety data sheet.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use appropriate skin cream to prevent drying of skin.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

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)

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DNEL	<p>Workers - Inhalation; Long term systemic effects: 2068.62 mg/m³</p> <p>Workers - Inhalation; Short term systemic effects: 2068.62 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 295.52 mg/kg/day</p> <p>Workers - Dermal; Short term systemic effects: 295.52 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 443.28 mg/m³</p> <p>General population - Inhalation; Short term systemic effects: 443.28 mg/m³</p> <p>General population - Dermal; Long term systemic effects: 126.65 mg/kg/day</p> <p>General population - Dermal; Short term systemic effects: 126.65 mg/kg/day</p> <p>General population - Oral; Long term systemic effects: 126.65 mg/kg/day</p> <p>General population - Oral; Short term systemic effects: 126.65 mg/kg/day</p>
PNEC	<p>- Fresh water; 5 mg/l</p> <p>- Intermittent release; 19</p> <p>- STP; 500 mg/l</p> <p>- Soil; 4.86 mg/kg</p>

ALCOHOLS, C12-14, ETHOXYLATED < 2.5 EO, SULFATES, SODIUM SALTS (CAS: 68891-38-3)

DNEL	<p>Workers - Dermal; Long term systemic effects: 2750 mg/kg/day</p> <p>Workers - Inhalation; Long term systemic effects: 175 mg/m³</p> <p>Consumer - Oral; Long term systemic effects: 15 mg/kg/day</p> <p>Consumer - Dermal; Long term systemic effects: 1650 mg/kg/day</p> <p>Consumer - Inhalation; Long term systemic effects: 52 mg/m³</p>
PNEC	<p>- Fresh water; 0.24 mg/l</p> <p>- Marine water; 0.024 mg/l</p> <p>- Intermittent release; 0.071 mg/l</p> <p>- Sediment, Fresh water; 5.45 mg/kg</p> <p>- Sediment, Marine water; 0.545 mg/kg</p> <p>- Soil; 0.946 mg/kg</p> <p>- STP; 10,000 mg/l</p>

GLYCEROL (CAS: 56-81-5)

DNEL	<p>Workers - Inhalation; Long term local effects: 56 mg/m³</p> <p>General population - Dermal; Long term local effects: 33 mg/m³</p> <p>General population - Oral; Long term systemic effects: 229 mg/kg/day</p>
PNEC	<p>- Fresh water; 0.885 mg/l</p> <p>- Marine water; 0.0885 mg/l</p> <p>- Intermittent release; 8.85 mg/l</p> <p>- STP; 1000 mg/l</p> <p>- Sediment (Freshwater); 3.3 mg/kg</p> <p>- Sediment (Marinewater); 0.33 mg/kg</p> <p>- Soil; 0.141 mg/kg</p>

BRONOPOL (INN) (CAS: 52-51-7)

DNEL	<p>Workers - Inhalation; Long term systemic effects: 4.1 mg/m³</p> <p>Workers - Dermal; Long term systemic effects: 2.3 mg/kg/day</p> <p>General population - Inhalation; Long term systemic effects: 1.2 mg/m³</p>
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PNEC

- Fresh water; 0.01 mg/l
- Marine water; 0.008 mg/l
- Intermittent release; 0.0025 mg/l
- STP; 0.43 mg/l
- Sediment (Freshwater); 0.041 mg/kg
- Sediment (Marinewater); 0.00328 mg/kg
- Soil; 0.5 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. EN 166

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). Simple Design for minimal risk.

Other skin and body protection

Use barrier creams to prevent skin contact. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

When using do not eat, drink or smoke. 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.

Respiratory protection

Respiratory protection not required.

Environmental exposure controls

Avoid release to the environment. Users should be aware of environmental considerations and their duties under the environmental protection act. Further information may be found on Government websites: www.dti.gov.uk/access/index/htm and www.envirowise.gov.uk.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Green.
Odour	Perfumed.
Odour threshold	Not applicable.
pH	pH (concentrated solution): 7.5
Melting point	Not applicable.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not determined.
Evaporation factor	Not applicable.

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Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.015 @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Soluble in water.
Auto-ignition temperature	Not applicable.
Decomposition Temperature	Not applicable.
Viscosity	Not determined.
Explosive properties	Not applicable
Oxidising properties	Not applicable.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information	Not relevant.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not applicable.
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10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
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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.
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10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

General information	This product has low toxicity.
Ingestion	May cause irritation. Symptoms following overexposure may include the following: Stomach pain. Nausea, vomiting. Diarrhoea.
Skin contact	Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.
Eye contact	May cause temporary eye irritation.

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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

Toxicity Not considered toxic to fish.

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 Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

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

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 None known.

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. Wash out containers with water before disposal.

SECTION 14: Transport information

Road transport notes Not classified.

Rail transport notes Not classified.

Sea transport notes Not classified.

Air transport notes Not classified.

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 MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

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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). Workplace Exposure Limits EH40.
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended). Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) 1907/2006,
Guidance	COSHH Essentials. ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets.

15.2. Chemical safety assessment

Currently we do not have information from our suppliers about this.

SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	08/05/2015
Revision	1
Supersedes date	25/09/2013
SDS number	20582
Risk phrases in full	R22 Harmful if swallowed. R38 Irritating to skin. R41 Risk of serious damage to eyes. R50 Very toxic to aquatic organisms. R21 Harmful in contact with skin. R37 Irritating to respiratory system.
Hazard statements in full	H315 Causes skin irritation. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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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.