

Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



Jangro Multi-purpose Cleaner

Version number: GHS 1.0

Date of compilation: 2017-02-06

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

1.1 Product identifier

Trade name **Jangro Multi-purpose Cleaner BB530**
Registration number (REACH) not relevant (mixture)

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

Relevant identified uses Professional use
Uses advised against Do not use for private purposes (household).

1.3 Details of the supplier of the safety data sheet

1.4 Jangro

Jangro House
Worsley Road
Farnworth
Bolton
BL4 9LU
United Kingdom

Telephone: +44(0)1204 795955
Telefax: +44(0)

1.5 Emergency telephone number

Emergency information service +44(0)1934-862859
This number is only available during the following office hours: Mon-Fri 09:00 - 17:00

| Poison centre | | |
|----------------|---|---|
| Country | Name | Telephone |
| United Kingdom | National Poisons Information Service (NPIS) (medical professionals only) | 0344-8920111 |
| United Kingdom | NHS (general public) | non-emergency: 111 or a doctor; emergency: 999 |

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

| Section | Hazard class | Category | Hazard class and category | Hazard statement |
|---------|-----------------------------------|----------|---------------------------|------------------|
| 3.2 | skin corrosion/irritation | 2 | Skin Irrit. 2 | H315 |
| 3.3 | serious eye damage/eye irritation | 1 | Eye Dam. 1 | H318 |

For full text of abbreviations: see SECTION 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- signal word danger

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- pictograms

GHS05



- hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.

- precautionary statements

P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P362+P364 Take off contaminated clothing and wash it before reuse.

- hazardous ingredients for labelling Sodium dodecylbenzenesulfonate

2.3 Other hazards

Of no significance.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

The product does not contain any (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the substance and hence require reporting in this section.

| Name of substance | Identifier | Wt% | Classification acc. to GHS | Pictograms | Specific Conc. Limits | M-Factors |
|---|---|-----------|--|------------|---|-----------|
| Citric acid | CAS No 5949-29-1 77-92-9 EC No 201-069-1 REACH Reg. No 01- 2119457026- 42-xxxx | 10 - < 30 | Eye Irrit. 2 / H319 | | | |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | CAS No 85586-07-8 EC No 287-809-4 REACH Reg. No 01- 2119489463- 28-xxxx | 5 - < 10 | Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 3 / H412 | | Eye Dam. 1; H318: C ≥ 20 % Eye Irrit. 2; H319: 10 % ≤ C < 20 % | |

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| Name of sub-stance | Identifier | Wt% | Classification acc. to GHS | Pictograms | Specific Conc. Limits | M-Factors |
|--------------------------------|---|---------|--|------------|-----------------------|-----------|
| Sodium dodecylbenzenesulfonate | CAS No 25155-30-0 EC No 246-680-4 REACH Reg. No 01- 2120088038- 51-xxxx | 1 - < 5 | Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 | | | |

Remarks

For full text of Hazard- and EU Hazard-statements: see SECTION 16. All the percentages given are percentages by weight unless stated otherwise.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Brush off loose particles from skin. Rinse skin with water/shower.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

For specialist advice physicians should contact the anti poison control centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water; Foam; Dry extinguishing powder; ABC-powder

Unsuitable extinguishing media

Water jet.

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5.2 Special hazards arising from the substance or mixture

Deposited combustible dust has considerable explosion potential.

Hazardous combustion products

During fire hazardous fumes/smoke could be produced.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Ventilate affected area. Control of dust.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains. Take up mechanically.

Advices on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

- specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

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7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- explosive atmospheres
Removal of dust deposits.
- flammability hazards
Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.
- incompatible substances or mixtures
Observe hints for combined storage. Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- ventilation requirements

Use local and general ventilation.

7.3 Specific end use(s)

There is no additional information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

| Occupational exposure limit values (Workplace Exposure Limits) | | | | | | | | |
|--|---------------|--------|------------|-----------|--------------------------|------------|---------------------------|-----------|
| Country | Name of agent | CAS No | Identifier | TWA [ppm] | TWA [mg/m ³] | STEL [ppm] | STEL [mg/m ³] | Source |
| GB | dust | | WEL | | 10 | | | EH40/2005 |
| GB | dust | | WEL | | 4 | | | EH40/2005 |

Notation

- STEL short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified
- TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average

Relevant DNELs/DMELs/PNECs and other threshold levels

| Relevant DNELs of components of the mixture | | | | | | |
|---|------------|-----------|-----------------------|------------------------------------|-------------------------------|----------------------------|
| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | DNEL | 285 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | DNEL | 4,060 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | DNEL | 85 mg/m ³ | human, inhalatory | consumer (private households) | chronic - systemic effects |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | DNEL | 2,440 mg/kg bw/day | human, dermal | consumer (private households) | chronic - systemic effects |

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| Relevant DNELs of components of the mixture | | | | | | |
|---|------------|-----------|----------------------|------------------------------------|-------------------------------|----------------------------|
| Name of substance | CAS No | End-point | Threshold level | Protection goal, route of exposure | Used in | Exposure time |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | DNEL | 24 mg/kg bw/day | human, oral | consumer (private households) | chronic - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 52 mg/m ³ | human, inhalatory | worker (industry) | chronic - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 52 mg/m ³ | human, inhalatory | worker (industry) | acute - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 52 mg/m ³ | human, inhalatory | worker (industry) | chronic - local effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 52 mg/m ³ | human, inhalatory | worker (industry) | acute - local effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 57.2 mg/kg bw/day | human, dermal | worker (industry) | chronic - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 80 mg/kg bw/day | human, dermal | worker (industry) | acute - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 26 mg/m ³ | human, inhalatory | consumer (private households) | chronic - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 26 mg/m ³ | human, inhalatory | consumer (private households) | acute - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 26 mg/m ³ | human, inhalatory | consumer (private households) | chronic - local effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 26 mg/m ³ | human, inhalatory | consumer (private households) | acute - local effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 28.6 mg/kg bw/day | human, dermal | consumer (private households) | chronic - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 40 mg/kg bw/day | human, dermal | consumer (private households) | acute - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 13 mg/kg bw/day | human, oral | consumer (private households) | chronic - systemic effects |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | DNEL | 13 mg/kg bw/day | human, oral | consumer (private households) | acute - systemic effects |

| Relevant PNECs of components of the mixture | | | | | | |
|---|----------------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| Citric acid | 5949-29-1 77-92-9 | PNEC | 0.44 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Citric acid | 5949-29-1 77-92-9 | PNEC | 0.044 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Citric acid | 5949-29-1 77-92-9 | PNEC | 1,000 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Citric acid | 5949-29-1 77-92-9 | PNEC | 34.6 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Citric acid | 5949-29-1 77-92-9 | PNEC | 3.46 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Citric acid | 5949-29-1 77-92-9 | PNEC | 33.1 mg/kg | terrestrial organisms | soil | short-term (single instance) |

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| Relevant PNECs of components of the mixture | | | | | | |
|---|------------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| Name of substance | CAS No | End-point | Threshold level | Organism | Environmental compartment | Exposure time |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | PNEC | 0.131 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | PNEC | 0.013 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | PNEC | 0.036 mg/l | aquatic organisms | water | intermittent release |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | PNEC | 1.35 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | PNEC | 4.61 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | PNEC | 0.461 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | PNEC | 0.846 mg/kg | terrestrial organisms | soil | short-term (single instance) |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC | 0.693 mg/l | aquatic organisms | freshwater | short-term (single instance) |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC | 1 mg/l | aquatic organisms | marine water | short-term (single instance) |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC | 0.654 mg/l | aquatic organisms | water | intermittent release |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC | 50 mg/l | aquatic organisms | sewage treatment plant (STP) | short-term (single instance) |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC | 27.5 mg/kg | aquatic organisms | freshwater sediment | short-term (single instance) |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC | 2.75 mg/kg | aquatic organisms | marine sediment | short-term (single instance) |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | PNEC | 25 mg/kg | terrestrial organisms | soil | short-term (single instance) |

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection



Use safety goggles with side protection (EN 166).

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Skin protection

Protective clothing (EN 340).

- hand protection



Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- type of material

Nitrile rubber

- material thickness

≥ 0,4 mm

- breakthrough times of the glove material

>120 minutes (permeation: level 4).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. P2 (filters at least 94 % of airborne particles, colour code: White).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

| | |
|----------------|----------------|
| Physical state | solid (powder) |
| Colour | light blue |
| Odour | characteristic |

Other safety parameters

| | |
|---|---|
| pH (value) | 7 (10 %) |
| Melting point/freezing point | not determined |
| Initial boiling point and boiling range | not determined |
| Flash point | not applicable |
| Evaporation rate | not determined |
| Flammability (solid, gas) | non-combustible |
| Explosion limits of dust clouds | not determined |
| Vapour pressure | not determined |
| Density | not determined |
| Vapour density | this information is not available |
| Relative density | information on this property is not available |

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Solubility(ies)

| | |
|--------------------|----------------------------|
| - water solubility | miscible in any proportion |
|--------------------|----------------------------|

Partition coefficient

| | |
|-----------------------------|-----------------------------------|
| - n-octanol/water (log KOW) | this information is not available |
| Auto-ignition temperature | not determined |
| Viscosity | not relevant (solid matter) |
| Explosive properties | none |
| Oxidising properties | none |

9.2 Other information

Of no significance.

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.5 Incompatible materials

Oxidisers.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

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| Acute toxicity of components of the mixture | | | | | |
|---|----------------------|----------------|----------|--------------|---------|
| Name of substance | CAS No | Exposure route | Endpoint | Value | Species |
| Citric acid | 5949-29-1 77-92-9 | oral | LD50 | 5,400 mg/kg | mouse |
| Citric acid | 5949-29-1 77-92-9 | dermal | LD50 | >2,000 mg/kg | rat |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | oral | LD50 | <2,000 mg/kg | rat |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | dermal | LD50 | >2,000 mg/kg | rat |

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

| Aquatic toxicity (acute) of components of the mixture | | | | | |
|---|----------------------|----------|----------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| Citric acid | 5949-29-1 77-92-9 | LC50 | 440 mg/l | fish | 48 h |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | LC50 | 3.6 mg/l | fish | 96 h |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | EC50 | 4.7 mg/l | aquatic invertebrates | 48 h |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | ErC50 | >20 mg/l | algae | 72 h |

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| Aquatic toxicity (chronic) of components of the mixture | | | | | |
|---|----------------------|----------|------------|-----------------------|---------------|
| Name of substance | CAS No | Endpoint | Value | Species | Exposure time |
| Citric acid | 5949-29-1 77-92-9 | LC50 | 1,535 mg/l | aquatic invertebrates | 24 h |
| Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 85586-07-8 | EC50 | 135 mg/l | microorganisms | 3 h |

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

Data are not available.

Endocrine disrupting potential

None of the ingredients are listed.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number not subject to transport regulations

14.2 UN proper shipping name not relevant

14.3 Transport hazard class(es)

Class -

14.4 Packing group not relevant

14.5 Environmental hazards

14.6 Special precautions for user

There is no additional information.

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

No data available.

Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG)

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR)

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

List of substances subject to authorisation (REACH, Annex XIV)

None of the ingredients are listed.

Regulation 166/2006/EC concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Directive 2000/60/EC establishing a framework for Community action in the field of water policy (WFD)

None of the ingredients are listed.

Regulation 98/2013/EU on the marketing and use of explosives precursors

None of the ingredients are listed.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Abbreviations and acronyms

| Abbr. | Descriptions of used abbreviations |
|-----------------|---|
| Acute Tox. | Acute toxicity |
| ADN | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) |
| ADR | Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) |
| Aquatic Chronic | Hazardous to the aquatic environment - chronic hazard |
| CAS | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances) |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures |
| DGR | Dangerous Goods Regulations (see IATA/DGR) |
| DMEL | Derived Minimal Effect Level |
| DNEL | Derived No-Effect Level |
| EC No | The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union) |
| EH40/2005 | EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/) |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |

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| Abbr. | Descriptions of used abbreviations |
|-------------|---|
| Eye Dam. | Seriously damaging to the eye |
| Eye Irrit. | Irritant to the eye |
| GHS | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations |
| IATA | International Air Transport Association |
| IATA/DGR | Dangerous Goods Regulations (DGR) for the air transport (IATA) |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods Code |
| index No | The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 |
| MARPOL | International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant") |
| NLP | No-Longer Polymer |
| PBT | Persistent, Bioaccumulative and Toxic |
| PNEC | Predicted No-Effect Concentration |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail) |
| Skin Corr. | Corrosive to skin |
| Skin Irrit. | Irritant to skin |
| STEL | Short-term exposure limit |
| TWA | Time-weighted average |
| vPvB | Very Persistent and very Bioaccumulative |
| WEL | Workplace exposure limit |

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

| Code | Text |
|------|--|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H412 | Harmful to aquatic life with long lasting effects. |

Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)



Jangro Multi-purpose Cleaner

Version number: GHS 1.0

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Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.