

# SAFETY DATA SHEET 5L Jangro Oven Cleaner BB033-5

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

## 1.1. Product identifier

**Product name** 5L Jangro Oven Cleaner BB033-5

Product number 800-282-0002

**UFI** 95XJ-YHKW-3P7U-QWQW

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

**Identified uses** Detergent. Caustic oven cleaner.

**Uses advised against**Use only for intended applications. Not for Oral Consumption.

## 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:, enquiries@jangrohq.net

## 1.4. Emergency telephone number

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

National emergency telephone UK:

**number** 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 Met. Corr. 1 - H290

Health hazards Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

2.2. Label elements

## 5L Jangro Oven Cleaner BB033-5

## Hazard pictograms



Signal word Danger

Hazard statements H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

**Precautionary statements** P102 Keep out of reach of children.

P234 Keep only in original packaging. P260 Do not breathe vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water or shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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.

P501 Dispose of contents/ container in accordance with national regulations.

Contains SODIUM HYDROXIDE, C12-14-ALKYL ETHER SULFATES

**Detergent labelling** 5 - < 15% anionic surfactants, < 5% non-ionic surfactants

Supplementary precautionary

statements

P101 If medical advice is needed, have product container or label at hand.

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

P405 Store locked up.

### 2.3. Other hazards

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

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

SODIUM HYDROXIDE 5-10%

CAS number: 1310-73-2 EC number: 215-185-5

Classification

Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318

C12-14 ALKYL ETHER SULFATES 5-10%

Classification

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

## 5L Jangro Oven Cleaner BB033-5

2-(2-BUTOXYETHOXY)ETHANOL 1-5%

CAS number: 112-34-5 EC number: 203-961-6

**Classification**Eye Irrit. 2 - H319

## AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES

<1%

M factor (Acute) = 1

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

Acute Tox. 4 - H302 Xn;R22. Xi;R38,R41. N;R50. Skin Irrit. 2 - H315

Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

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 Get medical attention immediately. Provide eyewash station and safety shower.

**Inhalation** Remove affected person from source of contamination. Get medical attention immediately.

**Ingestion** Do not induce vomiting. Give plenty of water to drink. Get medical attention immediately.

Show this Safety Data Sheet to the medical personnel.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash

skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after

washing.

Eye contact Remove affected person from source of contamination. Remove any contact lenses and open

eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention

immediately. Continue to rinse.

**Protection of first aiders** First aid personnel should wear appropriate protective equipment during any rescue.

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

General information The severity of the symptoms described will vary dependent on the concentration and the

length of exposure. Chemical burns must be treated by a physician. Get medical attention

immediately.

**Inhalation** Severe irritation of nose and throat. May cause an asthma-like shortness of breath.

Ingestion This product is corrosive. Small amounts may cause serious damage. May cause chemical

burns in mouth, oesophagus and stomach.

**Skin contact** May cause serious chemical burns to the skin.

Eye contact This product is corrosive. A single exposure may cause the following adverse effects: Severe

irritation, burning, tearing and blurred vision. Prolonged contact causes serious eye and tissue

damage. Corneal damage.

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

Notes for the doctor Treat symptomatically. Remove contaminated clothing immediately and wash skin with soap

and water.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Foam, carbon dioxide or dry powder.

### 5.2. Special hazards arising from the substance or mixture

Specific hazards Contact with some metals eg. aluminium, zinc can produce flammable hydrogen.gas. May

generate heat.

Hazardous combustion

products

Aluminium. Zinc.

## 5.3. Advice for firefighters

Protective actions during

firefighting

Wear self-contained breathing apparatus with full facepiece.

Special protective equipment

for firefighters

Move containers from fire area if it can be done without risk. No specific firefighting

precautions applicable when small quantities are involved in the fire.

#### SECTION 6: Accidental release measures

## 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

For non-emergency personnel Avoid contact with skin, eyes and clothing. Evacuate area. Keep upwind to avoid inhalation of

gases, vapours, fumes and smoke. Wear self-contained breathing apparatus. PVC or rubber

gloves are recommended.

For emergency responders Keep unnecessary and unprotected personnel away from the spillage. For personal

protection, see Section 8.

## 6.2. Environmental precautions

Environmental precautions Avoid release to the environment. Avoid discharge into drains or watercourses or onto the

ground. Environmental Manager must be informed of all major spillages.

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

Methods for cleaning up Small Spillages: Flush away spillage with plenty of water. Large Spillages: Stop leak if

possible without risk. Use water spray to reduce vapours. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Do not allow runoff to sewer, waterway or ground. Collect and place in suitable waste disposal containers and seal securely. Collect in containers and seal securely. Remove containers and flush area

with water.

## 6.4. Reference to other sections

Reference to other sections See Section 1 for emergency contact information. For personal protection, see Section 8. For

waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions**Avoid contact with skin, eyes and clothing. When using do not eat, drink or smoke. Provide

adequate ventilation. For personal protection, see Section 8. Wash hands thoroughly after

handling. Avoid release to the environment.

## 5L Jangro Oven Cleaner BB033-5

Advice on general occupational hygiene

Good personal hygiene procedures should be implemented.

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

Storage precautions Store in tightly-closed, original container in a well-ventilated place. Store away from the

following materials: Acids. Oxidising materials.

Storage class Corrosive storage.

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

#### Occupational exposure limits

#### **SODIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

#### 2-(2-BUTOXYETHOXY)ETHANOL

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

## SODIUM HYDROXIDE (CAS: 1310-73-2)

**DNEL** Industry - Inhalation; Long term local effects: 1.0 mg/m³

Consumer - Inhalation; Long term local effects: 1.0 mg/m³

## 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

## 2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

**DNEL** Workers - Inhalation; Long term systemic effects: 67.5 mg/m³

Workers - Inhalation; Long term local effects: 67.5 mg/m³ Workers - Dermal; Long term systemic effects: 20 mg/kg/day

General population - Inhalation; Long term systemic effects: 34 mg/m³ General population - Inhalation; Long term local effects: 34 mg/m³ General population - Inhalation; Short term local effects: 34 mg/m³ General population - Inhalation; Short term local effects: 50.6 mg/m³ General population - Dermal; Long term systemic effects: 10 mg/kg/day General population - Oral; Long term systemic effects: 1.25 mg/kg/day

PNEC - Fresh water; 1 mg/l

- marine water; 0.1 mg/l

- Intermittent release; 3.9 mg/l

- STP; 200 mg/l

- Sediment (Freshwater); 4 mg/kg

- Sediment (Marinewater); 0.4 mg/kg

- Soil; 0.4 mg/kg

## AMINES, C12-14 -ALKYLDIMETHYL, N-OXIDES (CAS: 308062-28-4)

**DNEL**Workers - Inhalation; Long term systemic effects: 15.5 mg/m³
Workers - Dermal; Long term systemic effects: 11 mg/kg/day

General population - Inhalation; Long term systemic effects: 3.8 mg/m³ General population - Dermal; Long term systemic effects: 5.5 mg/kg/day General population - Oral; Long term systemic effects: 0.44 mg/kg/day

PNEC - Fresh water; 0.034 mg/l

- marine water; 0.003 mg/l

- STP; 24 mg/l

Sediment (Freshwater); 5.24 mg/kgSediment (Marinewater); 0.524 mg/kg

- Soil; 1.02 mg/kg

## CITRIC ACID ANHYDROUS (CAS: 77-92-9)

**DNEL** Available hazard data do not support the need for a DNEL to be established for

other health effects.

PNEC - Fresh water; 0.44 mg/l

- marine water; 0.044 mg/l

- STP; >1000 mg/l

Sediment (Freshwater); 34.6 mg/kgSediment (Marinewater); 3.46 mg/kg

- Soil; 33.1

## 8.2. Exposure controls

#### Protective equipment







Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Personal protection

This is not a Risk/COSHH assessment. Information contained in this document should be used to conduct a risk assessment.

Information given in this document relates to the neat product as supplied. In use solutions are likely to have extreme pH values, thus use of gloves and eye protection is recommended where the assessment indicates a risk of exposure.

Eye/face protection

During the manufacture and filling of this product eye protection is recommended refer to EN166. In normal use, eye protection should be used if there is risk of eye contact (for examples splashing, dripping or leaking pumps/hoses).

Hand protection

Wear protective gloves. Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC). A break through time of >60 minutes is suggested. Gloves should be inspected regularly for damage.

## 5L Jangro Oven Cleaner BB033-5

Other skin and body

protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Provide eyewash station and safety shower. Wash at the end of each work shift and before

eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly

remove any clothing that becomes contaminated.

**Respiratory protection**No specific recommendations. Respiratory protection must be used if the airborne

contamination exceeds the recommended occupational exposure limit. Particulate filter, type

P2. Particulate filters should comply with European Standard EN143.

Environmental exposure

controls

Avoid releasing into the environment. Residues and empty containers should be taken care of

as hazardous waste according to local and national provisions.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance Colourless liquid.

Colour Clear liquid.

Odour Unperfumed.

Odour threshold Not determined.

pH Use solutions are likely to have a pH >13.

Melting point Not applicable.

Initial boiling point and range 90 - 105 Degrees C.

Flash point Not applicable.

Evaporation rate Not applicable.

Evaporation factor Not applicable.

Upper/lower flammability or

explosive limits

The product is not flammable or explosive.

Vapour pressure Not determined.
Vapour density Not applicable.

Relative density 1.060-1.080 @ 20°C

Bulk density Not applicable.

Solubility(ies) Soluble in water.

Partition coefficient Not technically possible for a mixture.

Auto-ignition temperature Not applicable.

Decomposition Temperature Not applicable.

Viscosity No information available.

**Explosive properties**There are no chemical groups present in the product that are associated with explosive

properties.

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties The mixture itself has not been tested but none of the ingredient substances meet the criteria

for classification as oxidising.

## 5L Jangro Oven Cleaner BB033-5

**Comments** Information given is applicable to the product as supplied.

9.2. Other information

Other information Not relevant.

## SECTION 10: Stability and reactivity

## 10.1. Reactivity

**Reactivity** Reactions with the following materials may generate heat: Strong acids. In contact with some

metals can generate hydrogen gas, which can form explosive mixtures with air. Avoid contact

with the following materials: Aluminium. Zinc. Tin.

10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous

The following materials may react violently with the product: Chlorohydrocarbons. Acids. Reactions with the following materials may generate heat:

reactions

10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Acids. Ammonia. Chlorinated hydrocarbons. Aluminium. Tin. Zinc.

## 10.6. Hazardous decomposition products

Hazardous decomposition

Hydrogen.

products

## 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.

Other health effects There is no evidence that the product can cause cancer.

Acute toxicity - oral

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

Acute toxicity - dermal

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

Acute toxicity - inhalation

Notes (inhalation LC50) Based on available data the classification criteria are not met.

Skin corrosion/irritation

**Skin corrosion/irritation** Corrosive to skin and eyes. Calculation method.

**Extreme pH** ≥ 11.5 Corrosive to skin.

Serious eye damage/irritation

Serious eye damage/irritation Corrosivity to eyes is assumed.

Respiratory sensitisation

**Respiratory sensitisation**Based on available data the classification criteria are not met.

Skin sensitisation

**Skin sensitisation**Based on available data the classification criteria are not met.

## 5L Jangro Oven Cleaner BB033-5

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 Corrosive to skin and eyes.

Inhalation Spray/mists may cause respiratory tract irritation. A single exposure may cause the following

adverse effects: Coughing. Difficulty in breathing. May cause damage to mucous membranes

in nose, throat, lungs and bronchial system.

**Ingestion** May cause burns in mucous membranes, throat, oesophagus and stomach.

Skin contact May cause serious chemical burns to the skin. Repeated exposure may cause skin dryness or

cracking.

**Eye contact** Causes burns. A single exposure may cause the following adverse effects: Corneal damage.

Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss

of sight.

11.2 Information on other

hazards

11.2.1. Endocrine disrupting

properties

11.2.2 Other information

## SECTION 12: Ecological information

**Ecotoxicity** There are no data on the ecotoxicity of this product.

12.1. Toxicity

**Toxicity** The product may affect the acidity (pH) of water which may have hazardous effects on aquatic

organisms.

Acute aquatic toxicity

Acute toxicity - aquatic plants May cause long lasting harmful effects to aquatic life.

Acute toxicity - terrestrial Can cause damage to vegetation.

12.2. Persistence and degradability

**Persistence and degradability** Degrades very slowly in nature.

12.3. Bioaccumulative potential

Bioaccumulative potential The product is not bioaccumulating.

Partition coefficient Not technically possible for a mixture.

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. Endocrine disrupting

properties

**Endocrine disrupting** 

properties

12.6. Other adverse effects

Other adverse effects None known.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in

accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods The packaging must be empty (drop-free when inverted). Wash with plenty of water. Dispose

of waste via a licensed waste disposal contractor. Reuse or recycle products wherever

possible.

Waste class EWC Code: 06 02 04

## SECTION 14: Transport information

## 14.1. UN number

**UN No. (ADR/RID)** 1824

**UN No. (IMDG)** 1824

**UN No. (ICAO)** 1824

**UN No. (ADN)** 1824

## 14.2. UN proper shipping name

Proper shipping name

(ADR/RID)

SODIUM HYDROXIDE SOLUTION

Proper shipping name (IMDG) SODIUM HYDROXIDE SOLUTION

Proper shipping name (ICAO) SODIUM HYDROXIDE SOLUTION

Proper shipping name (ADN) SODIUM HYDROXIDE SOLUTION

## 14.3. Transport hazard class(es)

ADR/RID class 8

ADR/RID classification code C5

ADR/RID label 8

IMDG class 8

ICAO class/division 8

ADN class 8

## Transport labels



## 14.4. Packing group

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

## 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

## 14.6. Special precautions for user

**IMDG Code segregation** 18. Alkalis

group

**EmS** F-A, S-B

ADR transport category 2

Emergency Action Code 2R

Hazard Identification Number 80

(ADR/RID)

Tunnel restriction code (E)

## 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

## 5L Jangro Oven Cleaner BB033-5

National regulations GB (UK) CLP and REACH Regulations.

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as

amended).

Control of Pollution (Special Waste) Regulations 1980 (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. The Hazardous Waste Regulations 2005.

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 Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009

No. 716).

### **EU** legislation

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)

Guidance COSHH Essentials.

Technical Guidance WM2: Hazardous Waste.

ECHA Guidance on the Application of the CLP Criteria. ECHA Guidance on the compilation of safety data sheets.

Workplace Exposure Limits EH40.

#### 15.2. Chemical safety assessment

No information available.

## SECTION 16: Other information

used in the safety data sheet STOT RE = Specific target organ toxicity-repeated exposure

PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. PNEC: Predicted No Effect Concentration.

DNEL: Derived No Effect Level.

**General information** Only trained personnel should use this material.

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision. First

issue of new formulation for this product name Note: Finished product SDS take their revision history from the parent bulk liquid SDS. The revision data will show that of the parent liquid.

Revision date 12/01/2024

Revision 8

Supersedes date 28/11/2022

SDS number 23208

Hazard statements in full H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage. H319 Causes serious eye 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.