



SAFETY DATA SHEET

Jangro - BEER PIPELINE CLEANER

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

1.1. Product identifier

Product name	Jangro - BEER PIPELINE CLEANER
Product number	A005 JA
Internal identification	BB140-5

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

Identified uses	Alkaline & Chlorine based Beer pipeline Cleaner.
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1.3. Details of the supplier of the safety data sheet

Supplier

Jangro Limited
 Jangro House
 Worsley Road
 Farnworth
 Bolton. UK
 BL4 9LU
 TeL: 01204 795 955
 Fax: 01204 579 499
 enquiries@jangrohq.net

1.4. Emergency telephone number

Emergency telephone	01772 318 818 - 8.30am to 4.45pm - Mon to Fri
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Corr. 1B - H314 Eye Dam. 1 - H318
Environmental hazards	Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram



Signal word

Danger

Hazard statements

H314 Causes severe skin burns and eye damage.
 H400 Very toxic to aquatic life.
 H411 Toxic to aquatic life with long lasting effects.

Jangro - BEER PIPELINE CLEANER

Precautionary statements	<p>P102 Keep out of reach of children. Do not mix with other products especially acidic products.</p> <p>P260 Do not breathe mist.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P235+P410 Keep cool. Protect from sunlight.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P315 Get immediate medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with local regulations.</p>
Supplemental label information	EUH031 Contact with acids liberates toxic gas.
Contains	SODIUM HYDROXIDE, SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE

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

<p>SODIUM HYDROXIDE 3-5%</p> <p>CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01-2119457892-27-xxxx</p> <p>Spec Conc Limits :- Skin Corr. 1A (H314) >= 5 %, Skin Corr. 1B (H314) >=2% <5 %, Skin Irrit. 2 (H315) >=0.5%<2%, Eye Irrit. 2 (H319) >=0.5% <2%</p> <p>Classification Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318</p>
<p>SODIUM HYPOCHLORITE SOLUTION, ... % CI ACTIVE 1-3%</p> <p>CAS number: 7681-52-9 EC number: 231-668-3</p> <p>M factor (Acute) = 10 M factor (Chronic) = 1</p> <p>Spec Conc Limits :- EUH031: ≥ 5%</p> <p>Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410</p>

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

Jangro - BEER PIPELINE CLEANER

Inhalation	Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention immediately.
Skin contact	Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention immediately. Continue to rinse.

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.
Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause chemical burns in mouth and throat.
Skin contact	Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.
Eye contact	Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

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

Notes for the doctor	Treat symptomatically.
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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.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.
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6.2. Environmental precautions

Environmental precautions	Dangerous for the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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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: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
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6.4. Reference to other sections

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Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing, gloves, eye and face protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep only in the original container in a cool, well-ventilated place. Protect from sunlight. Store away from the following materials: Acids.

7.3. Specific end use(s)

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

Usage description See Product Information Sheet & Label for detailed use of this product.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Not relevant.

Eye/face protection The following protection should be worn: Chemical splash goggles or face shield.

Hand protection Wear protective gloves. (Household rubber gloves.)

Other skin and body protection Wear suitable protective clothing as protection against splashing or contamination.

Respiratory protection Respiratory protection not required.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear. Colourless.
Odour	Chlorine.
pH	pH (diluted solution): 12.30 @1:80
Melting point	-3°C
Initial boiling point and range	102°C @ 760 mm Hg
Flash point	Boils without flashing.
Relative density	1.120 @ 20°C

Jangro - BEER PIPELINE CLEANER

Solubility(ies) Soluble in water.

9.2. Other information

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Generates toxic gas in contact with acid.

10.2. Chemical stability

Stability Inadequately vented containers may become pressurised.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions See sections 10.1,10.4 & 10.5

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

Materials to avoid Strong acids. Aluminium, Tin, Zinc and their alloys.

10.6. Hazardous decomposition products

Hazardous decomposition products Toxic chlorine gas is released if product is mixed with acidic materials. When heated, vapours/gases hazardous to health may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

SECTION 12: Ecological Information

Ecotoxicity Dangerous for the environment. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Another potential hazard is from the alkalinity of the product.

12.1. Toxicity

Toxicity We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request. Very toxic to aquatic organisms.

12.2. Persistence and degradability

Persistence and degradability Sequestrant is readily degraded during biological effluent treatment processes.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility Not known.

12.5. Results of PBT and vPvB assessment

Jangro - BEER PIPELINE CLEANER

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 Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1719

UN No. (IMDG) 1719

UN No. (ICAO) 1719

14.2. UN proper shipping name

Proper shipping name (ADR/RID) CAUSTIC ALKALINE LIQUID, N.O.S. (sodium hydroxide solution and hypochlorite solution)

Proper shipping name (IMDG) CAUSTIC ALKALINE LIQUID, N.O.S. (sodium hydroxide solution and hypochlorite solution)

Proper shipping name (ICAO) CAUSTIC ALKALINE LIQUID, N.O.S. (sodium hydroxide solution and hypochlorite solution)

14.3. Transport hazard class(es)

ADR/RID class Class 8: Corrosive substances.

ADR/RID label 8

IMDG class Class 8: Corrosive substances.

ICAO class/division Class 8: Corrosive substances.

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

Jangro - BEER PIPELINE CLEANER

EmS F-A, S-B

Tunnel restriction code (E)

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 relevant. for a packaged product.

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

EU legislation Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).
The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG: International Maritime Dangerous Goods.
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
GHS: Globally Harmonized System.
Spec Conc Limits = Specific Concentration Limits.

Classification abbreviations and acronyms Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Eye Dam. = Serious eye damage
Eye Irrit. = Eye irritation
Met. Corr. = Corrosive to metals
Skin Corr. = Skin corrosion
Skin Irrit. = Skin irritation

Key literature references and sources for data Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. ECHA - C&L Inventory database.

Classification procedures according to Regulation (EC) 1272/2008 Calculation Method.

Revision comments Addition of Environmental Statement(s) due to change in M-Factor of a Raw Material. & Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&16)

Revision date 28/03/2018

Jangro - BEER PIPELINE CLEANER

Revision	7
SDS status	The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.
Hazard statements in full	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.