



Jangro Limited  
James House  
Worsley Road  
Farnworth  
Bolton  
BL4 9NL

Tel. 0845 458 5223

## PRODUCT SAFETY DATA SHEET

### 1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: JANGRO DRAIN SOLUTION  
Supplier: Jangro Limited, as above  
Emergency: 01444 244000

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

Product Description: Free flowing liquid acid.

Hazardous Ingredient Name	CAS No.	% Range	Symbol	Risk Phrase
Protease enzyme	9080-56-2	< 2.5	Xn	R42
Amylase enzyme	9000-90-2	< 2.5	Xn	R42
Fatty Alcohol ethoxylate		< 2.5	Xn	R22-41

Hazardous Ingredient Name	CAS No.	% Range	Symbol	Risk Phrase
Bacteria Species		< 2.5 (certified non-pathogen)		

### 3 HAZARDS IDENTIFICATION

Not classified as hazardous

### 4 FIRST AID MEASURES (Symptoms)

Inhalation: With normal use should not present a hazard.  
Skin Contact: May cause slight / mild irritation to sensitive skin.  
Eyes Contact: May cause mild irritation.  
Ingestion: May cause irritation to the mouth, throat and digestive tract.  
Additional Information: Contains amylase and protease. May cause an allergic reaction.

### 5 FIRST AID MEASURES (Actions)

Inhalation: If affected, remove to fresh air. Obtain medical advice.  
Skin Contact: Immediately remove all contaminated clothing. Wash skin with soap and water.  
Eyes Contact: Irrigate thoroughly with plenty of water for 10-15 minutes. Obtain medical attention if irritation persists.  
Ingestion: Do not give anything by mouth to an unconscious person. Wash out with water and give copious amounts of water to drink, do not induce vomiting. Seek medical advice.  
Additional Information: Always launder contaminated clothing before re-use.

### 6 FIRE FIGHTING METHODS

Extinguishing Media: Water spray, foam, carbon dioxide or dry powder. Keep fire exposed containers cool with water spray.

Fire Fighting Protective: Full protection equipment including self-contained respiratory protection.

**7**      ACCIDENTAL RELEASE MEASURES

Small Spillages:                      Flush away with water, avoid washings entering water courses.

Large Spillages:                      Absorb with sand or absorbent, transfer to container for disposal. Dispose of under Local Authority Guidelines.

**8**      HANDLING AND STORAGE

Usage Precautions:                      Avoid direct contact with substance. Ensure adequate ventilation.

Storage Precautions:                      Keep in original containers. Keep tightly closed when not in use. Do not store below 5°C degrees or above 30°C degrees.

**9**      PERSONAL PROTECTION / EXPOSURE CONTROLS

Hazardous Ingredient	LTEL (8hr TWA)		STEL (15 mins)	
	ppm	mg m <sup>-3</sup>	ppm	mg m <sup>-3</sup>

Respiratory Protection:                      Self contained breathing apparatus must be available in case of emergency. Type approve RPE.

Hand Protection:                      Wear suitable gloves.

Eye Protection:                      Wear suitable goggles.

Skin Protection:                      Wear suitable overalls.

**10**      PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Liquid
Colour:	Green
Odour:	Lemon
pH:	6.5 – 7.5 approx
Boiling Point:	> 100°c
Melting Point:	< 0°c
Flash Point:	> 100°c
Density (g/ml):	0.988 approx
Solubility (water):	Soluble
Pour point:	< 0°c

**11**      STABILITY AND REACTIVITY

Conditions to Avoid:                      Extremes of temperature.

Materials to Avoid:                      Strong acids, alkalis of disinfectants

Hazardous Reactions

**12**      TOXICOLOGICAL INFORMATION

Inhalation:                      With normal use should not present a hazard.

Skin Contact:                      May cause slight /mid irritation to sensitive skin.

Eye Contact:                      May cause mild irritation.

Ingestion:                      May cause irritation to the mouth, throat and digestive tract. May also cause nausea.

**13**      ECOLOGICAL INFORMATION

Biodegradable:                      Contains biodegradable materials.

**14**      DISPOSAL CONSIDERATIONS

Dispose of under Local Authority Guidelines.

**15**      TRANSPORT INFORMATION

NOT REGULATED FOR TRANSPORT

Un No:

IMDG Class and Packing Group:

CAO / IATA:

ADR:

Proper Shipping Name:

Marine Pollutant:

16 REGULATORY INFORMATION

Hazardous Ingredients:

EEC Classification:

Hazard Symbol:

S2	Keep out of reach of children
S26	In case of contact with eyes, rinse immediately with plenty water and seek medical advice.
S46	If swallowed seek medical advice immediately and show this container label.

17 OTHER INFORMATION

Used for: Biological drain unblocker.

The information in this Safety Data Sheet is based upon knowledge available at the time of completion. It is intended to describe the product only in terms of Health & Safety requirements. It does not signify any warranty with regard to specific properties or specifications.



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**JANGRO BC071-5**  
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## DRAIN SOLUTION

### Description

Drain solution is a perfumed, stable liquid containing selected micro-organisms and 'free' enzymes that efficiently reduce the wastes typically evacuated drainage systems. Drain Solution is effective on small-bore pipes from sinks, baths, showers and in kitchen waste units and all catering drainage systems. Drain solution is also suitable for maintaining all types of drains, grease traps and sewerage treatment systems.

When activated with water, the fast acting free enzymes quickly break down the waste into smaller pieces. The small particles of waste are then more accessible to the micro-organisms. This enzyme degradation immediately improves drain flow-rates and reduces odours. It also enables the various strains of micro-organisms in Drain Solution to continue the degrading process, further reducing the particles of solid waste (such as fat, paper and vegetable trimmings) into liquids and gasses, so helping prevent future problems.

### Features and Benefits

- Liquefies fats and grease
- Neutral PH of 6.5 – 7.5
- Effective on all types of drains and small-bore pipes
- Suitable for use in all plumbing systems including septic tanks
- Reduces odours
- Will not damage porcelain, plastic, stainless steel, chrome or ceramics.

### Directions

Shake container well before opening. Remove excess water and pour 50ml directly into sink or drain opening. Add water to activate unblocker. Leave for 30 minutes. (Ideally overnight) Flush with hot water to remove residues. Repeat if necessary. For trouble free odourless outlets pour 50ml into opening once a week.

Disinfectants, bleach caustic and acid products will adversely effect the biological action of Drain Solution. Contains Amylase and Protease. May cause an allergic reaction.

### Technical Information

Drain Solution contains many strains of non-harmful micro-organisms, typically 50,000,000 units per millilitre. Drain Solution is a green liquid with a pleasant fragrance.

### Packaging

4 x 5 litre

### Storage

Drain Solution is stable for a minimum of 12 months if stored in it's original, sealed container, away from direct sunlight. Drain solution is not harmful or irritant under CHIP or COSHH.