



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 CLEANER  
Supplier: Jangro Limited, as above

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

Product Description: Free flowing liquid acid.

Ingredient Name	CAS No.	% Range	Symbol	Risk Phrase
Sulphuric Acid	7664-93-9	70-100	C	R35

### 3 HAZARDS IDENTIFICATION

Causes severe burns.

### 4 FIRST AID MEASURES

#### ACT IMMEDIATELY

Eyes: Keeping eye open, irrigate thoroughly with water or eye-wash for 15 minutes. Obtain medical attention urgently.

Skin: Remove contaminated clothing. Wash well with plenty of running water. Obtain medical attention if skin damaged or if irritation persists.

Inhalation: Remove to fresh air. Obtain medical attention.

Ingestion: Do not induce vomiting. If the product has been confined to the mouth, give large quantities of water as mouth wash, ensuring that it is not swallowed. If product has been swallowed, give water to drink immediately and obtain medical attention.

Delayed Effects: Following inhalation of mists or vapour, patients should be kept under observation because of the possibility of delayed pulmonary oedema.

### 5 FIRE FIGHTING MEASURES

Extinguishing Media: Foam or dry chemical powder, CO<sub>2</sub> or sand.  
NEVER USE WATER JETS NEAR SULPHURIC ACID.  
Not flammable and not normally a fire risk. Avoid breathing vapours as toxic fumes given off in general fire. Wear full protective clothing and self contained breathing apparatus.

### 6 ACCIDENTAL RELEASE MEASURES

Small Spillages: Avoid contact with skin, eyes and clothing. Do not breathe fumes. Wear full protective clothing, see Section 8, including boots. Absorb with sand, earth or granules and neutralise with soda ash or hydrated lime.  
NEVER ADD WATER DIRECTLY TO THE PRODUCT.  
Flush site well with copious amounts of water. Dispose of contaminated waste via licensed disposal contractor.

Large Spillages: Prevent from entering drains or watercourses using sand, earth or appropriate barrier. Where possible pump material into salvage tank for recovery or safe disposal. Cautiously dilute residue with plenty of water and neutralise with soda ash or hydrated lime.

**7 HANDLING AND STORAGE**

Usage Precautions: Use only in well-ventilated areas. Always wear the personnel protective equipment listed below. Do not breathe vapour. Do not dilute. Do not smoke.

Storage Precautions: Keep in closed containers in a cool place. Store away from reactive materials, see section 10.

**8 PERSONAL PROTECTION / EXPOSURE CONTROLS**

Wear PVC gloves, chemical resistant coveralls and safety boots, and full face-shield if ventilation inadequate wear suitable, approved respirator (effective against acid gases). In a confined space a self-contained breathing apparatus may be required.

**Occupational Exposure Limits:**

Hazard Ingredient	LTEL (8hr TWA)		STEL		*
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Sulphuric Acid	-	1	-	-	*

\* Note: Chemical Hazard Alert Notice is currently in effect for sulphuric acid pending HSE review on possible introduction of MEL.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Physical Form: Liquid  
 Colour: Red  
 Odour: Slight acidic  
 pH: 1  
 Relative Density (20°C) : 1.40-1.84  
 Flash Point: n/a  
 Solubility in Water: Soluble

**10 STABILITY AND REACTIVITY**

Stability: Stable  
 Conditions to Avoid: Dilute by adding product to water, never water to product.  
 Materials to Avoid: Reacts violently with water, producing heat. Alkaline materials, most metals, strong oxidising or reducing agents.  
 Hazardous Decomposition Products: Oxides of sulphur. May liberate hydrogen in contact with metals.

**11 TOXICOLOGICAL INFORMATION**

Inhalation: May cause severe irritation of the nose, throat and lungs causing headaches and nausea. In severe cases may cause pulmonary oedema (fluid build up on the lungs). Repeated exposure to low concentrations of mist may lead to damage of the throat lining in region of the larynx with possible increased risk of cancer of the larynx.  
 LC<sub>50</sub> (inhalation 8h rat) = <0.1mg/1

Skin: Causes severe burns.

Eyes: Causes severe burns which can lead to prolonged or permanent eye damage.

Ingestion: Risk of severe burns to mouth, gullet and stomach.  
 LD<sub>50</sub> (oral, rat) = 2140mg/kg

**12 ECOLOGICAL INFORMATION**

Dangerous to aquatic organisms.  
 TLM (Median Tolerance Limit) Bluegill sunfish, 24h, fresh water = 24.5mg/l  
 TLM: concentration giving 50% survival.  
 Causes damage to crops and vegetation.  
 Biodegradability: Neutralised slowly by natural alkalinity, ammonia and organic matter, reducing the damage caused by low pH.

**13 DISPOSAL CONSIDERATIONS**

Dispose of according to local environment control regulations via a licensed contractor. Wash out empty container thoroughly with water before disposal, otherwise treat as 'special waste'.

**14**     TRANSPORT INFORMATION

Un No:	1830
Road Carriage:	Corrosive liquid
TREM Card No:	80G01
ADR/RID Class:	Class 8
IMDG Class and Packing Group:	Class 8 Packing Group II
Proper Shipping Name:	Sulphuric Acid
Emergency Action Code:	2P
Marine Pollutant:	No
Customs Tariff:	-

**15**     REGULATORY INFORMATION

CHIP Classification:	Corrosive	
Hazard Symbol:	C	
Risk Phrases:	R35	Causes Severe Burns
Safety Phrases:	S2	Keep out of reach of children
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
	S30	Never add water to this product.
	S51	Use only in well ventilated areas.

**16**     OTHER INFORMATION

PLEASE ENSURE THIS SAFETY DATA SHEET IS PASSED TO THE APPROPRIATE PERSONS IN YOUR COMPANY, WHO ARE CAPABLE OF ACTING ON THE INFORMATION.

This data sheet was prepared in accordance with directive 91/155/EEC and regulation 6 of the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 or as amended.

The information this sheet contains does not constitute on its own the users own assessment of workplace risk as required by other health and safety legislation eg. HSW ACT COSHH, MHSW Regulations or other.

Occupational exposure standards were taken from the current edition of EH40 (UK HSE).