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JANGRO BA090

Revision April 2004

PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Trade Name: JANGRO GENERAL ACID CLEANER

Supplier: Jangro Limited, as above

2 INFORMATION ON INGREDIENTS

Ingredient Name	EINECS No.	CAS No.	% Range	Symbol	Risk Phrase
Hydrochloric Acid	231-595-7	7647-01-0	10-30%	C	34,37

The full text for all R-phrases are shown in section 16.

3 HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.

4 FIRST AID MEASURES

Eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Skin: Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing

Ingestion: Do not induce vomiting! Drink a few glasses of water or milk. Get medical attention.

Inhalation: Not relevant. Inhalation unlikely.

5 FIRE FIGHTING MEASURES

Extinguishing Media: This material is not flammable. Use extinguishing media appropriate for surrounding fire.

Hazardous Decomposition Products: If involved in fire, may emit noxious fumes

Protective Measures in Fire: Protective clothing and respiratory protection should be worn when tackling fires involving this product.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with eyes. Avoid inhaling vapour. Avoid contact with skin.

Precautions to Protect Environment: Large spillages or uncontrolled discharge into rivers or streams must be reported to The Environment Agency or other regulatory body.

Spillage Cleanup Methods: Small quantities may be flushed to drains with plenty of water. Large spill: Absorb in vermiculite, dry sand or earth and place into containers. Send for disposal as special waste.

7 HANDLING AND STORAGE

Usage: Avoid contact with skin and eyes. Avoid inhalation of vapours. DO NOT mix with other chemicals.

Storage: Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from: Oxidising materials

8 PERSONAL PROTECTION/EXPOSURE CONTROLS

INGREDIENT NAME	CAS No	STD	LT EXP (8 hrs)	ST EXP (15 min)
Hydrochloric Acid	7647-01-0	OES	1 ppm	5 ppm

INGREDIENT COMMENTS: OES = Occupational Exposure Standard

Ventilation:	Must not be handled in confined space without sufficient ventilation.
Respirators:	N/A
Protective Gloves:	For prolonged or repeated skin contact the use of household rubber gloves is advisable
Eye Protection:	Eye protection recommended.
Other Protection:	Wear appropriate clothing to prevent any possibility of skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/ Colour:	Liquid/ Clear.Straw
Odour:	Characteristic. Hydrochloric Acid
Solubility Description:	Soluble in water
Boiling Pt. (°C):	102 @ 760mmHg
Specific Gravity (Water=1):	1.103 @ 20 °C
Flash Pt. (°C):	Boils without flashing
Melting Point: (°C):	-2
pH-Value, Conc:	0

10 STABILITY AND REACTIVITY

Stability:	No particular stability concerns.
Materials to Avoid:	Concentrated alkaline materials. Chlorine releasing materials will liberate toxic chlorine gas.

11 TOXICOLOGICAL INFORMATION

Toxicological Information:	Refer to section 3
Other Health Effects:	Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

12 ECOLOGICAL INFORMATION

Environmental Hazards:	Potentially hazardous due to the acidity of the product.
Bio Accumulation:	Completely soluble. No bioaccumulation.
Degradability:	This product, at use dilutions, is readily broken down in biological effluent treatment plants.

13 DISPOSAL CONSIDERATIONS

Disposal Method:	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 by approved waste contractor. Consign empty container to normal waste.
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14 TRANSPORT INFORMATION

Label for Conveyance:



Road:

UN No:	1789	
Hazard Class (ADR):	Class 8: Corrosive substances	ADR PACK GR: III
Proper Shipping Name 1:	Hydrochloric Acid 19% solution	
Rail:		
Rail Transport Class No:	Class 8: Corrosive substances	RID PACK GR: III

Sea:

UN Sea:	1789	
Sea Transport Class No:	Class 8: Corrosive substances	SEA PACK GR: III

Air:

UN Air:	1789	
Air Transport Class No:	Class 8: Corrosive substances	AIR PACK GR: III

15 REGULATORY INFORMATION

Label for Supply:



IRRITANT

Risk Phrases:	R-36/37/38	Irritating to eyes, respiratory system and skin.
Safety Phrases:	S-2	Keep out of reach of children.
	S-24/25	Avoid contact with skin and eyes.
	S-26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S-46	If swallowed seek medical advice immediately and show this container label.
	S-50A	Do not mix with other chemicals especially chlorine releasing bleaches as toxic gas will be evolved.

UK Environmental Listings:	Control of pollution (special waste) regulations 1980.
EC Directives:	Systems of specific information relating to Dangerous Preparation. 91/155
Statutory Instruments:	Chemicals (Hazards information and packaging) regulations.
Approved Code of Practice:	The compilation of safety data sheets L130
Guidance Notes:	Occupational exposure limits EH40. Approved guide to the classification and labelling of substances and preparations dangerous for supply. L100.

16 OTHER INFORMATION

This information is based on our present state of knowledge and is intended to describe our products from the point of view of the safety requirements. However, the information is provided without any warranty, express or implied regarding its correctness.

R-PHASES (Full Text)	R-34	Causes burns
	R-37	Irritating to respiratory system