



Jangro Limited
James House
Worsley Road
Farnworth
Bolton
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Tel. 0845 458 5223

JANGRO BC060
Revision November 2008

PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Product Name: JANGRO ACIDIC TOILET CLEANER & LIMESCALE REMOVER
Applications: Acidic descaling toilet cleaner and hard surface cleaner for washrooms
Supplier: Jangro Limited, as above

Emergency Contact and Times:
01772 318 818 Between: 8.30am and 4.45pm

2 INFORMATION ON INGREDIENTS

Ingredient Name	EC No.	CAS No.	Content	Classification
Phosphoric Acid...%	231-633-2	7664-38-2	10-30%	C;R34
Oleyltrimethylammonium Chloride	233-938-6	10450-69-8	1-5%	Xn;R22 C;R34 N;R50
Propan-2-OL	200-661-7	67-63-0	1-5%	F;R11 Xi;R36 R67
Tallowbis(2-Hydroxyethyl)Amine Oxide	263-179-6	61791-46-6	1-5%	Xi;R38 R41 N;R50
Ammonium Chloride	235-186-4	12125-02-9	1-5%	Xn;R22 Xi;R36

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

3 HAZARDS IDENTIFICATION

Irritating to skin
Risk of serious damage to eyes
CLASSIFICATION: Xi;R41, R38

4 FIRST AID MEASURES

Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.
Skin Contact: Remove contaminated clothing. 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 product is not flammable. Use extinguishing media appropriate for surrounding fire.
Specific Hazards: 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: Wear eye/face protection. Avoid contact with skin
Environmental Precautions: 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 Precautions: Wear eye protection. Avoid contact with skin
Storage Precautions: Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from: hypochlorite and oxidising agents

8 PERSONAL PROTECTION/EXPOSURE CONTROLS

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
Phosphoric Acid	WEL		1 mg/m3		2 mg/m3
Ammonium Chloride	WEL		10 mg/m3		20 mg/m3
Propan-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3

INGREDIENT COMMENTS: WEL = Workplace Exposure Limits

Protective Equipment:



Engineering Measures: N/A
Respiratory Equipment: N/A
Hand Protection: For prolonged or repeated skin contact the use of household rubber gloves is advisable
Eye Protection: Use eye protection
Other Protection: Wear appropriate clothing to prevent any possibility of skin contact.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance/ Colour: Viscous. Liquid. Clear Blue
Odour: Wintergreen
Solubility Description: Soluble in water
Boiling Pt. (°C): 103 @ 760mmHg
Specific Gravity (Water=1): 1.116 @ 20 °C
Flash Pt. (°C): Boils without flashing
Melting Point: (°C): -3
pH-Value, Conc.: 0.50

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

Ecotoxicity: 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 planes.

13 DISPOSAL CONSIDERATIONS

Disposal Method: Empty container can be consigned to normal waste. Unwanted material should be disposed of as hazardous waste by registered contractor.

14 TRANSPORT INFORMATION

Label for Conveyance:



Road: N/A
UN No: 3264
Hazard Class (ADR): Class 8: Corrosive substances ADR PACK GR: III
Proper Shipping Name 1: Corrosive Liquid, Acidic, Inorganic, N.O.S (phosphoric acid, liquid)

Rail:
Rail Transport Class No: Class 8: Corrosive substances RID PACK GR: III

Sea:
UN Sea: 3264
Sea Transport Class No: Class 8: Corrosive substances SEA PACK GR: III

Air:
UN Air: 3264
Air Transport Class No: Class 8: Corrosive substances AIR PACK GR: III

15 REGULATORY INFORMATION

Label for Supply:



IRRITANT

Risk Phrases: R-41 Risk of serious damage to eyes.
R-38 Irritating to skin

Safety Phrases: S-2 Keep out of reach of children.
S-39 Wear eye/face protection
S-24 Avoid contact with skin
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.

Environmental Listings: Hazardous Waste (England and Wales) Regulations
EU Directives: Systems of specific information relating to Dangerous Preparation. 91/155
As amended by Directive 93/112/EC and 2001/58/EC
Statutory Instruments: Chemicals (Hazards information and packaging) regulations.
Approved Code of Practice: The compilation of safety data sheets L130
Guidance Notes: Workplace Exposure Limits EH40. As amended 2005.
Approved guide to the classification and labelling of substances and preparations dangerous for supply.
L100.

16 OTHER INFORMATION

Information Sources: Approved Supply List – HSC
Material Safety Data Sheet, Misc manufacturers
Revision Comments: Change due to CHIP 3.1 (2005) OES or MEL replaced by WEL in section 8

R-PHASES (Full Text)	R-11	Highly Flammable
	R-22	Harmful if swallowed
	R-34	Causes burns
	R-36	Irritating to eyes
	R-38	Irritating to Skin
	R-41	Risk of serious damage to eyes
	R-50	Very toxic to aquatic organisms
	R-67	Vapours may cause drowsiness and dizziness



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ACIDIC TOILET CLEANER & LIMESCALE REMOVER

Description

Powerful, high active multi surface toilet & washroom cleaner. It will descale, remove heavy soil and body fat, and leave a clean fresh medicated smell. Suitable for use on a variety of hard surfaces including porcelain, stainless steel, chrome, ceramic & quarry tiles.

Features & Benefits

- Quick & effective action removes the most stubborn stains.
- Clings to vertical surfaces, allowing longer contact for better cleaning.
- Suitable for use on both porcelain & stainless steel.
- Effective in hard & soft water areas.
- Packed in 1lt angled neck bottles for cleaning under the toilet rim.
- Available in 5lt bottle for maximum economy.

How to Use

STUBBORN STAINS & DESCALING: Apply undiluted onto surface and leave for a few minutes, agitate if necessary.

REMOVING BODY FAT: Dilute 200ml per 5 litres of hot water.

STAINLESS STEEL & PORCELAIN: Dilute 100ml per 5 litres of hot water.

LIGHT SOILAGE, WALLS,

CERAMIC TILES: Dilute 20ml per 5 litres of hot water.

Mop or wipe surface. Always rinse with clean water.

NOT SUITABLE FOR VITREOUS ENAMEL OR FIBREGLASS.

Composition

Contains a blend of phosphoric acid, cationic surfactant, nonionic surfactant, viscosity stabilisers, perfume & dye.

Typical Product Data

Appearance:	Clear viscous liquid
Odour:	winter green type odour
Specific Gravity (20°C):	1.116
Colour:	Blue
pH – undiluted:	0.5
pH – diluted 1:50	1.92
Shelf Life Unopened:	Not less than 3 years

Packaging

Pack:
6 x 1ltr
5 ltr

Storage

Store in original sealed container and protect from extreme cases of temperature

Biodegradability:

All surfactants used in Jangro products comply with the current European Regulations concerning Biodegradability and protection of the environment.