



Jangro Limited
James House
Worsley Road
Farnworth
Bolton
BL4 9NL

Tel. 0845 458 5223

PRODUCT SAFETY DATA SHEET

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: JANGRO STAINLESS STEEL CLEANER
Applications: Neutral, cleaner for stainless steel
Supplier: Jangro Limited, James House, Worsley Road, Farnworth, Bolton, BL4 9NL
Telephone : 0845 458 5223
Fax : 01204 576801
Email: centraloffice@jangrohq.net
Emergency Contact and Times: 01772 318 818 Between 8.30am and 4.45pm Mon - Fri

2 HAZARDS IDENTIFICATION

Flammable

CLASSIFICATION: R10

3 INFORMATION ON INGREDIENTS

Ingredient Name	EC No.	CAS No.	Content	Classification
Propan-2-OL	200-661-7	67-63-0	10-20%	F;R11 Xi;R36 R67
2-Butoxyethanol	203-905-0	111-76-2	5-10%	Xn;R20/21/22 Xi;R36/38

The full text for all R-Phrases are displayed in section 16

4 FIRST AID MEASURES

Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.
Skin Contact: Wash skin with soap and water.
Ingestion: Drink a few glasses of water or milk. DO NOT INDUCE VOMITING! Get medical attention if any discomfort continues.
Inhalation: Not relevant. Inhalation unlikely.

5 FIRE FIGHTING MEASURES

Extinguishing Media: Use foam, carbon dioxide or dry powder.
Unusual Fire & Explosion: May explode in a fire
Hazards:
Specific Hazards: By heating and fire, harmful vapours/gases may be formed.
Protective Measures in Fire: Keep containers cool by spraying with water to reduce explosion risks. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Do not smoke, use naked flames or other sources of ignition. No special protective clothing. (See Sec 8.)
 Environmental Precautions: Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY reported to the Environment Agency or other appropriate regulatory body.
 Spillage Cleanup Methods: Small quantities may be flushed to drains with plenty of water. Larger spillages: Pick up with vacuum or absorbent solid, store in closed container for disposal.

7 HANDLING AND STORAGE

Usage Precautions: Eliminate all sources of ignition.
 Storage Precautions: Keep away from heat, sparks and open flame.

8 PERSONAL PROTECTION/EXPOSURE CONTROLS

Name	Std	LT - ppm	LT – mg/m3	ST - ppm	ST – mg/m3
Propan-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3
2-Butoxyethanol	WEL	25 ppm(Sk)		50 ppm(Sk)	

Ingredient Comments: WEL = Workplace Exposure Limits for COSHH assessments in the UK
 ST = Short-Term Exposure Limit (15 minute) & LT = Long-Term Exposure Limit (8 hours).
 Engineering Measures: Not relevant.
 Respiratory Equipment: Respiratory protection not required.
 Hand Protection: For prolonged or repeated skin contact use of suitable protective gloves. (Household rubber gloves.)
 Eye Protection: None required
 Other Protection: None required

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid. Clear.
 Colour: Blue
 Odour/Taste: Faint Odour of Alcohol
 Solubility: Soluble in water
 Boiling Point (°C): 85
 Relative Density: 0.980@20°C
 Flash Point (°C): 35 P/M Pensky - Martens
 Melting Point (°C): -5
 pH-Value, Conc solution: 7.00

10 STABILITY AND REACTIVITY

Stability: No particular stability concerns
 Conditions to Avoid: Avoid heat, flames and other sources of ignition
 Materials to Avoid: No incompatible groups noted.

11 TOXICOLOGICAL INFORMATION

Toxicological Information: Refer to section 2.
 Other Health Effects: Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Not regarded as dangerous for the environment
 Bioaccumulation: The product does not contain any substances expected to be bioaccumulating.
 Degradability: This product, at use dilutions, is readily broken down in biological effluent treatment plants

13 DISPOSAL CONSIDERATIONS

Disposal Method: 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.

14 TRANSPORT INFORMATION

Label for Conveyance:



Proper Shipping Name: ALCOHOLS, N.O.S. (isopropanol)

Road Transport Notes: Please note: Product in pack size of 5 Litres or less is classed as a "Limited Quantity" for Transport and so will have the white UN1987 Transport hazard diamond (Evans Code: HL1610). Pack size greater than 5 Litres will have the red Flammable Liquid UN1987 Transport hazard diamond (Evans Code: HL1380).

UN No Road:	1987
ADR Pack Group:	111
Rig Pack Group	111
IMDG Class:	Class 3: Flammable liquids
Marine Pollutant:	No.
Air Class:	Class 3: Flammable liquids
ADR Class	Class 3: Flammable liquids
Rid Class No:	Class 3: Flammable liquids
UN No. Sea	1987
IMDG Pack Gr:	111
UN No. Air	1987
Air Pack Gr:	111

15 REGULATORY INFORMATION

Risk Phrases:	R-10	Flammable
Safety Phrases:	S-2	Keep out of reach of children.
	S-46	If swallowed, seek medical advice immediately and show this container or label.
	S-51	Use only in well ventilated areas

Environmental Listings:	Hazardous Waste (England and Wales) Regulations.
EU Directives:	System of specific information relating to Dangerous Preparations. 2001/58/EC. As amended by Directive 93/112/EC, 2001/58/EC and 2006/8/EC.
Statutory Instruments:	Chemicals (Hazard information and packaging) Regulations.2008.
Approved Code of Practice:	The compilation of safety data sheets L130.
Guidance Notes:	Workplace Exposure Limits EH40. As amended in 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 (Health & Safety Commission) Material Safety Data Sheet, Misc. manufacturers
Revision Comments:	Safety Data Sheet was reviewed as previous issue was over 3 years – No changes were required – So re-issued with additions to Section 1 and change of order of sections 2 and 3 so compliant for REACH.

Risk Phrases in full:	R-11	Highly flammable
	R-20/21/22	Harmful by inhalation, in contact with skin and if swallowed
	R-36	Irritating to eyes
	R-36/38	Irritating to eyes and skin
	R-67	Vapours may cause drowsiness and dizziness



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STAINLESS STEEL CLEANER

Description

Highly efficient stainless steel cleaner. It will quickly remove grime and leave a sparkling streak free finish. Also suitable for cleaning various hard surfaces including chrome, plastic, computer keyboards, TV and VDU screens and surrounds, ceramic and porcelain.

Features and Benefits

- Cleans quickly and effectively
- Provides sparkling, streak free results
- Especially effective in removing finger marks in lifts and surrounds
- Packed in handy easy to use 750ml flasks with trigger spray

How to Use

Use undiluted. Spray sparingly directly onto surface and wipe clean immediately with a clean, dry cloth.
For small areas, spray onto cloth then wipe surface.
For optimum results polish with a soft clean cloth.

Composition

Contains a blend of alcohol, glycol ether, anionic surfactant, sequestering agent and dye.

Typical Product Data

Appearance:	Clear liquid
Odour:	Alcoholic
Specific Gravity (20°C):	0.98
Colour:	Blue
pH-undiluted:	7.0
Shelf Life Unopened:	Not less than 3 years

Packaging

Pack:
6x750ml

Storage

Store in original sealed container and protect from extremes of temperature

Biodegradability

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