



Jangro Limited  
James House  
Worsley Road  
Farnworth  
Bolton  
BL4 9NL

Tel. 0845 458 5223

**JANGRO BA030**

Revision March 2010

## PRODUCT SAFETY DATA SHEET

### 1 IDENTIFICATION OF PREPARATION AND THE SUPPLIER

Product Name: JANGRO GLASS & MIRROR CLEANER  
Applications: Neutral, cleaner for glass, mirrors and stainless steel  
Supplier: Jangro Limited, as above  
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 COMPOSITION/INFORMATION ON INGREDIENTS

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

Eyes Contact: Promptly wash eyes with plenty of water while lifting the eye lids.  
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 alerted to the Environment Agency or other appropriate regulatory body.  
Spillage Clean Up Methods: Small quantities must 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  
ST = Short-Term exposure limits (15 minutes) & LT = Long Term exposure limits (8 hours)  
Engineering Measures: Not relevant  
Respiratory Equipment: Respiratory protection not required.  
Hand Protection: For prolonged or repeated skin contact use suitable protective gloves (household rubber gloves)  
Eye Protection: None required  
Other Protection: None required

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: Liquid  
Odour: 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: 7.00  
Colour: Clear Blue

**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 limited

**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  
Bio Accumulation: This 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 1:	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 Class:	Class 3: Flammable liquids
ADR PACK GR:	III	RID Class No:	Class 3: Flammable liquids
RID PACK GR:	III	UN No Sea:	1987
IMDG Class:	Class 3: Flammable liquids	IMDG PACK GR:	III
Marine Pollutant:	No.	UN No Air:	1987
Air Class:	Class 3: Flammable liquids	AIR PACK GR:	III

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 and 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 and Safety Commission) Material Safety Data Sheet, Misc. manufacturers	
Risk Phrases in full	R-11	Highly flammable
	R-36	Irritating to eyes
	R-20/21/22	Harmful by inhalation, in contact with skin and if swallowed
	R-36/38	Irritating to eyes and skin
	R-67	Vapours may cause drowsiness and dizziness



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## GLASS AND MIRROR CLEANER

### Description

Highly efficient window, glass and 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. Pour into a handy spray bottle. Spray sparingly 15-30cm directly onto surface and wipe clean immediately with a clean, dry cloth.

For small areas, spray onto cloth then wipe surface

### 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.