



SAFETY DATA SHEET

Jangro - GLASS & MIRROR CLEANER

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Jangro - GLASS & MIRROR CLEANER

Product number A096 JA

Internal identification BA030-5 & BA030-75

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Neutral, cleaner for Glass, Mirrors and Stainless Steel.

1.3. Details of the supplier of the safety data sheet

Supplier	UK: Jangro Limited	EU: Jangro Ltd Europe
	Jangro House	6-9 Trinity Street
	Worsley Road	Dublin 2
	Farnworth	D02 EY47
	Bolton. UK	Ireland
	BL4 9LU	
	Tel: 01204 795 955	Tel: 01 617 7911

Fax: 01204 579 499
enquiries@jangrohq.net

Manufacturer Evans Vanodine International plc
Brierley Road
Walton Summit
Preston. UK. PR5 8AH
Tel: 01772 322 200
e-mail: productcompliance@evansvanodine.co.uk

1.4. Emergency telephone number

Emergency telephone 01772 318 818 - Mon to Thu 8.30am to 4.45pm - Fri 8.30am to 1.30pm

National emergency telephone number For Health Care Professionals only -
For use in UK: Contact the National Poisons Information Service for further advice.
For use in the Republic of Ireland: To report a poisoning incident contact The National Poisons Information Centre, Beaumont Hospital, Dublin (01-8092166).
For use in Malta: For Health Care Professionals in UK only - Contact the National Poisons Information Service for further advice.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Not Classified

Environmental hazards Not Classified

2.2. Label elements

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Hazard pictograms



Signal word	Warning
Hazard statements	H226 Flammable liquid and vapour.
Precautionary statements	P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P301 IF SWALLOWED: P313 Get medical advice/ attention. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with local regulations.
Contains	PROPAN-2-OL

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PROPAN-2-OL		3-5%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-xxxx
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336		
2-BUTOXYETHANOL		1-3%
CAS number: 111-76-2	EC number: 203-905-0	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
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Ingestion	Do not induce vomiting. Give plenty of water to drink. Get medical attention if any discomfort continues.
Skin contact	Wash with plenty of water.
Eye contact	Rinse immediately with plenty of water. Get medical attention if irritation persists after washing.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known. But - May cause discomfort if swallowed.
Skin contact	No specific symptoms known. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.
Eye contact	No specific symptoms known. Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Extinguish with foam, carbon dioxide, dry powder or water fog.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. May explode when heated or when exposed to flames or sparks.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Keep containers cool by spraying with water to reduce explosion risks. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	No smoking, sparks, flames or other sources of ignition near spillage.
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6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Usage precautions Eliminate all sources of ignition.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description See Product Information Sheet & Label for detailed use of this product.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

8.2. Exposure controls

Appropriate engineering controls This product must not be handled in a confined space without adequate ventilation.

Eye/face protection No specific eye protection required during normal use.

Hand protection No specific hand protection noted, but protection for the skin is advisable to prevent removal of natural oils from skin.

Other skin and body protection None required.

Respiratory protection Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Clear. Blue.

Odour Faint Alcoholic.

pH pH (concentrated solution): 7.30

Melting point -5°C

Initial boiling point and range 85°C @ 760 mm Hg

Flash point 57°C . Measured using test method, Pensky-Martens closed cup.

Relative density 0.993 @ 20°C

Solubility(ies) Soluble in water.

9.2. Other information

Other information None.

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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability No particular stability concerns.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions See sections 10.1, 10.4 & 10.5

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Other health effects Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

Acute toxicity - oral

Notes (oral LD₅₀) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 129,988.3

Acute toxicity - dermal

Notes (dermal LD₅₀) Based on available data the classification criteria are not met.

ATE dermal (mg/kg) 100,090.99

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.

ATE inhalation (vapours mg/l) 1,009.91

SECTION 12: Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

12.1. Toxicity

Toxicity We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

12.2. Persistence and degradability

Persistence and degradability This product, at use dilutions, is readily broken down in biological effluent treatment plants.

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12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility Not known.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods 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.

SECTION 14: Transport information

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 with black points Transport hazard diamond. Pack size greater than 5 litres will have the red Flammable Liquid UN1987 Transport hazard diamond.

14.1. UN number

UN No. (ADR/RID) 1987

UN No. (IMDG) 1987

UN No. (ICAO) 1987

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ALCOHOLS, N.O.S. (isopropanol)

Proper shipping name (IMDG) ALCOHOLS, N.O.S. (isopropanol)

Proper shipping name (ICAO) ALCOHOLS, N.O.S. (isopropanol)

14.3. Transport hazard class(es)

ADR/RID class Class 3: Flammable liquids.

ADR/RID label 3

IMDG class Class 3: Flammable liquids.

ICAO class/division Class 3: Flammable liquids.

Transport labels



14.4. Packing group

ADR/RID packing group III

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IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-E, S-D

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant. for a packaged product.

Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 2015/830 (which amends Regulation (EC) No 453/2010 & 1907/2006).
The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.
Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet PBT: Persistent, Bioaccumulative and Toxic substance.
vPvB: Very Persistent and Very Bioaccumulative.
ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG: International Maritime Dangerous Goods.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
GHS: Globally Harmonized System.

Classification abbreviations and acronyms Acute Tox. = Acute toxicity
Eye Irrit. = Eye irritation
Flam. Liq. = Flammable liquid
Skin Irrit. = Skin irritation
STOT SE = Specific target organ toxicity-single exposure

Key literature references and sources for data Material Safety Data Sheet, Miscellaneous manufacturers. CLP Class - Table 3.1 List of harmonised classification and labelling of hazardous substances. ECHA - C&L Inventory database.

Classification procedures according to Regulation (EC) 1272/2008 Calculation Method.

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Revision comments	Change of Address. & Addition of national emergency telephone number.
Revision date	12/08/2020
Revision	Draft for Issue 8
SDS status	The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Hazard Statements relating to this Product see Section 2.
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness.