



Jangro Limited
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JANGRO BB005-75

Revision August 2013

PRODUCT SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: JANGRO STAINLESS STEEL CLEANER
Internal Id: BB005-75

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

Identified uses Neutral, cleaner for stainless steel.

1.3 Details of the supplier of the safety data sheet

Supplier: Jangro Limited
Jangro House
Worsley Road
Farnworth
Bolton, UK
BL4 9LU
Tel; 0845 458 5223
Fax; 01204 576 801
Enquiries@jangrohq.net

1.4 Emergency telephone number

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

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (1999/45/EEC) R10

2.2 Label element

Risk Phrases

R10 Flammable

Safety Phrases

S2 Keep out of the reach of children
S46 If swallowed, seek medical advice immediately and show this container or label
S51 Use only in well-ventilated areas.

2.3 Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

PROPAN-2-OL		10-20%
CAS No.: 67-63-0	EC No.: 200-661-7	Registration Number: 01-2119457558-25-xxxx
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 2 – H225	F;R11	
Eye Irrit. 2 – H319	Xi; R36	
STOT SE 3 – H336	R67	

2-BUTOXYETHANOL		1-5%
CAS No.: 111-76-2	EC No.: 203-905-0	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Acute Tox. 4 – H302	Xn; R20/21/22	
Acute Tox. 4 – H312	Xi; R36/38	
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	Not relevant. Inhalation unlikely. In case of inhalation of spray mist: move person into fresh air and keep at rest.
Ingestion	DO NOT INDUCE VOMITING! Drink a few glasses of water or milk. Get medical attention if any discomfort continues.
Skin Contact	Wash skin with soap and water.
Eye Contact	Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

General Information	The severity of the symptoms described will vary dependent of the concentration and the length of exposure.
Inhalation	No specific symptoms noted
Ingestion	No specific symptoms noted. But – may cause discomfort if swallowed.
Skin contact	No specific symptoms noted. But prolonged or excessively repeated skin contact could lead to removal of natural oils from skin.
Eye contact	No specific symptoms noted. But prolonged eye contact may lead to the product affecting the natural lubrication provided by the mucus membranes.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media Use: Foam, carbon dioxide or dry powder.

5.2 Special hazards arising from the substance or mixture

Unusual fire & explosion hazards: May explode in fire.

Specific hazards: When heated and in case of fire, harmful vapours/gases may be formed.

5.3 Advice for fire-fighters

Protective equipment for fire-fighters; 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures.

Do not smoke, use open fire or other sources of ignition. No special protective clothing. (See sec 8).

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Small quantities may be flushed to drains with plenty of water. Large spillages pick up with vacuum or absorbent solid, store in closed container for disposal.

6.4 Reference to other sections

For personal protection, see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Eliminate all sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities.

Keep away from heat, sparks and open flames.

7.3 specific end use (s)

The identified uses for this product are detailed in Section 1.2.

Usage Description: See product information sheet and label use if this product.

SECTION 8: PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1 Control parameters

Name	STD	TWA – 8 Hrs		STEL – 15 min		Notes
2-BUTOXYETHANOL	WEL	25 ppm (Sk)		50 ppm (Sk)		
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	

WEL = Workplace Exposure Limit

Ingredient Comments

STEL = Short Term Exposure Limit (15 Min) & TWA = Time Weighted Average (8 hours)

8.2 Exposure controls

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Liquid
 Colour: Clear Blue
 Odour: Faint odour of alcohol
 Solubility: Soluble in water
 Initial boiling point and boiling range: 85
 Melting point (°c): -5
 Relative density: 0.980 @ 20°c
 pH-value, conc. Solution: 7.00
 Flash point: 35 Method: P/M Pensky-Martens

9.2 Other information

None

SECTION 10: STABILITY AND REACTIVITY10.1 Reactivity

No specific reactivity hazards associated with this product

10.2 Chemical Stability

No particular stability concerns

10.3 Possibility of hazardous reactions

See sections 10.1, 10.4 & 10.5

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Materials to avoid; No incompatible groups noted.

10.6 Hazardous decomposition products

No hazardous decomposition products

SECTION 11: TOXICOLOGICAL INFORMATION11.1 Information on toxicological effects

Toxicological Information: We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product. The Toxicological Data, where provided by the raw material manufacturer, can be made available on request.

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

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not regarded as dangerous for the environment.

12.1 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

Degradability: This product, at use dilutions, is readily broken down in biological effluent treatment plants.

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 assessments

This product does not contain any PBT or vPvB substances.

12.6 Other adverse effects

Not known

SECTION 13: DISPOSAL CONSIDERATIONS13.1 Waste treatment 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/ADN)	1987
UN No. (IMDG)	1987
UN No. (ICAO)	1987

14.2 UN proper shipping name

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

14.3 Transport hazard class(es)

ADR/RID/ADN Class	Class 3: Flammable Liquids
IMDG Class	Class 3: Flammable Liquids
ICAO Class/Division	Class 3: Flammable Liquids

Transport Labels

14.4 Packing group

ADR/RID/ADN Packing Group	III
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 Marpol73/78 and the IBC code

Not relevant for packaged product.

SECTION 15: REGULATORY INFORMATION15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture.**Guidance notes**

Workplace Exposure Limits EH40

EU Legislation

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of Dangerous Preparations. Ingredients are listed with classification under both CHIP – Directive 67/548/EEC – classification, packaging & labelling of dangerous substances & GHS/CLP – Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2 Chemical Safety Assessment

Not applicable this product is a mixture.

SECTION 16: OTHER INFORMATION

Information Sources: Material Safety Data Sheet, Misc. manufacturers. CLP Class – Table 3.1 list of harmonised classification and labelling of hazard substances. CHIP Class – Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.

Revisions comments: New Format Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). – No change in Product Classification – main change is the move of Labelling elements from section 15 to section 2 & section 3 now has a different layout for the ingredients and lists their classification in both CHIP & CLP format.

Safety Data Sheet Status: The Risk phrases/ 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 risk phrases/ hazard statements relating to this product see section 2.

Risk phrases in full

R10	Flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R11	Highly flammable
R36/38	Irritating to eyes and skin.
R36	Irritating to eyes.
R57	Vapours may cause drowsiness and dizziness.

Hazard Statements in full

H319	Causes serious eye irritation
H315	Causes skin irritation
H226	Flammable liquid and vapour
H332	Harmful if inhaled
H302	Harmful if swallowed
H312	Harmful in contact with skin.
H225	Highly flammable liquid and vapour
H336	May cause drowsiness or 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.