



Jangro Limited
James House
Worsley Road
Farnworth
Bolton
BL4 9NL

Tel. 0845 458 5223

JANGRO BB021-5

Revision 01-10-2012

PRODUCT SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF PREPARATION AND THE SUPPLIER

1.2 Product Identifier

Product Name: JANGRO COMBI OVEN CLEANER
Product No. A022 JA
Internal Id. BB021-5

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

Identified Uses: Alkaline Liquid detergent for Combi Ovens

1.3 Details of the supplier of the safety data sheet

Supplier: Jangro Limited
James House
Worsley Road
Farnworth
Bolton, UK
BL4 9NL
Tel; 0845 458 5223
Fax; 01204 576 801
centraloffice@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 Classified of the substance or mixture

Classification (1999/45/EEC) C;R35.

2.2 Label Elements

Labelling:



Risk Phrases:	R35	Causes severe burns.
Safety Phrases:	S2	Keep out of reach of children.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

2.3 Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Ingredient Name	EC No.	CAS No.	Content	Classification
Sodium Hydroxide	215-185-5	1310-73-2	10-20%	C;R35
2-Aminoethanol	205-483-3	141-43-5	1-5%	C;R34 Xn;R20/21/22
C10-16 Alkyl Dimethylamine Oxide	274-687-2	70592-80-2	0-1%	Xi;R38, R41. N;R50

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

Eye Contact: Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse.

Skin Contact: Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

Ingestion: DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink a few glasses of water or milk. Get medical attention immediately!

Inhalation: Not relevant. Inhalation unlikely. In case of inhalation of spray mist: Move person into fresh air and keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

General information: The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation: Irritation of throat nose, and airway.

Ingestion: May cause chemical burns in mouth and throat.

Skin Contact: Burning pain and severe corrosive skin damage. May cause serious chemical burns to the skin.

Eye Contact: Extreme irritation of eyes and mucous membranes, including burning and tearing. Corneal damage.

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: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for fire-fighters

Protective Measures in Fire: 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

For personal protection, see section 8.

6.2 Environmental precautions

Spillages or uncontrolled discharges into water courses 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

Wear suitable protective clothing, gloves and eye/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Store at moderate temperatures in dry, well ventilated area. Keep in original container. Store away from: Oxidising material.

7.3 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: PERSONAL PROTECTION/EXPOSURE CONTROLS

8.1 Control parameters

Name	Std	TWA – 8 hrs		STEL – 15 min		Notes
2-Aminoethanol	WEL	3 ppm	7.6 mg/m3	6 ppm	15 mg/m3	
Sodium Hydroxide	WEL				2 mg/m3	

Ingredient Comments :

WEL = Workplace Exposure Limits

STEL = Short-Term Exposure Limit (15 Minute) & TWA = Time Weighted Average (8 Hours)

8.2 Exposure controls

Protective Equipment:



Engineering Measures:

Not relevant

Respiratory Equipment:

Respiratory protection not required.

Hand Protection:

Rubber gloves are recommended.

Eye Protection:

Use approved safety goggles or face shield.

Other Protection:

Wear suitable protective clothing as protection against splashing or contamination.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 information on basic physical and chemical properties.

Appearance:

Liquid

Colour

Clear, colourless

Odour

Characteristic

Relative Density:

1.118 @ 20 °C

pH-Value, Conc:

13.72

9.2 other information

None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The solution is strongly alkaline and reacts with strong acids with heat generation.

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

There are no known conditions that are likely to result in a hazardous situation.

10.5 Incompatible materials

Materials to avoid :

Strong acids, Aluminium, Tin, Zinc and their alloys.

10.6 Hazardous decomposition products

No hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 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.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Potentially hazardous due to the alkalinity of the product.

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: Sequestrant is readily degraded during biological effluent treatment processes.

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

Disposal Method: Discharge used solutions to drain. 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. Rinse out empty container with water and consign to normal waste.

SECTION 14: TRANSPORT INFORMATION14.1 UN Number

UN No.	(ADR/RID/ADN)	1719
UN No.	(IMDG)	1719
UN No.	(ICAO)	1719

14.2 UN proper shipping name

Proper shipping name CASUTIC ALKALI LIQUID, N.O.S. (sodium hydroxide solution)

14.3 Transport hazards class(es)

ADR/RID/AND Class	Class 8: Corrosive substances.
IMDG Class/Division	Class 8: Corrosive substances.
ICAO Class	Class 8: Corrosive substances.

Transport Labels14.4 Packing group

ADR/RID/AND Packing group	II
IMDG Packing group	II
ICAO Packing group	II

14.5 Environmental hazards

Environmentally Hazardous Substance/marine Pollutant; No.

14.6 Special precautions for user

EMS	F-A, S-B
Tunnel Restriction Code	(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.**Revision date;** 01/10/2012**Revision;** Issue 2**Safety Data Sheet Status;** This 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:	R34	Causes burns
	R35	Causes severe burns.
	R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
	R37	Irritating to respiratory system.
	R38	Irritating to skin.
	R41	Risk of serious damage to eyes.
	R50	Very toxic to aquatic organisms

HAZARD STATEMENTS IN FULL:

H318	Causes serious eye damage
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H332	Harmful if inhaled
H302	Harmful if swallowed
H312	Harmful in contact with skin
H335	May cause respiratory irritation
H400	Very toxic to aquatic life



Jangro Limited
James House
Worsley Road
Farnworth
Bolton
BL4 9NL

Tel. 0845 458 5223



COMBI OVEN CLEANER

Description

Concentrated detergent degreaser for the effective removal of baked-on food deposits and grease from the interior of combi ovens.

Features & Benefits

- Highly concentrated detergent.
- Developed especially for cleaning combi ovens.
- Suitable for manual cleaning or dosed automatically.
- Removes baked on food deposits and grease.
- Low foaming formula.

How to Use

Suitable for manual cleaning or dosed automatically into the oven during a selected cleaning programme of the integral cleaning system.

AUTOMATIC CLEANING

Dispense into the oven via the integral cleaning system, in accordance with the machine manufacturer's instructions. The detergent concentration can be adjusted via the oven control panel according to the level of soiling within the oven. The typical dilution rate is between 0.5% - 2%.

MANUAL

Pour undiluted product into a trigger spray bottle. Select 'Manual Wash' and press the 'Start/Stop' key. Oven will heat or cool to the required temperature. When the display indicates 'Spray with cleaner', open the door and spray the internal cooking cabinet, including shelves and grids. Close the door and allow 10 minutes contact time.

Restart the programme and allow oven to complete the manual wash cycle.

Rinse the oven thoroughly. Allow to air dry.

Typical Product Data

Appearance:	Liquid, Clear
Odour	Characteristic
Relative Density:	1.118 @ 20 °C
Flash Pt. (°C):	Boils without flashing
pH-Value, Conc:	13.72

Biodegradability:

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