



SAFETY DATA SHEET

Jangro - POLYURETHANE FLOOR SEAL

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

1.1. Product identifier

Product name	Jangro - POLYURETHANE FLOOR SEAL
Product number	A027 JA
Internal identification	BD122-5

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

Identified uses	Floor seal.
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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	

1.4. Emergency telephone number

Emergency telephone	01772 318 818 - Mon to Thu 8.30am to 4.45pm - Fri 8.30am to 1.30pm
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SECTION 2: Hazards identification

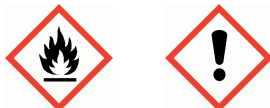
2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Flam. Liq. 3 - H226
Health hazards	STOT SE 3 - H336
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Signal word	Warning
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Hazard statements	H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness.
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Precautionary statements	P102 Keep out of reach of children.
	P271 Use only outdoors or in a well-ventilated area.
	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P301 IF SWALLOWED:
	P313 Get medical advice/ attention.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P315 Get immediate medical advice/ attention.
	P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
	P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/ container in accordance with local regulations.	
P261 Avoid breathing vapours.	

Supplemental label information EUH066 Repeated exposure may cause skin dryness or cracking.

Contains LOW AROMATIC WHITE SPIRIT

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

LOW AROMATIC WHITE SPIRIT	30-60%
CAS number: —	EC number: 919-857-5
	REACH registration number: 01-2119463258-33-xxxx
Classification	
Flam. Liq. 3 - H226	
STOT SE 3 - H336	
Asp. Tox. 1 - H304	

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	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
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 promptly if symptoms occur 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	Vapours may cause drowsiness and dizziness.
Ingestion	No specific symptoms known. But - May cause discomfort if swallowed.

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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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam, carbon dioxide or dry powder.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

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.

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.

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. Avoid inhalation of vapours and contact with skin and eyes.

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.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Contain spillage with sand, earth or other suitable non-combustible material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Eliminate all sources of ignition. Avoid contact with skin and eyes. Avoid inhalation of vapours. Provide adequate ventilation.

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

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Occupational exposure limits

LOW AROMATIC WHITE SPIRIT

Long-term exposure limit (8-hour TWA): WEL 150 ppm 1000 mg/m³

WEL = Workplace Exposure Limit.

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	For prolonged or repeated skin contact use suitable protective gloves. (Household rubber gloves.)
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Respiratory protection	Respiratory protection not required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Amber.
Odour	Characteristic. White spirit.
Melting point	-20°C
Initial boiling point and range	130°C @ 760 mm Hg
Flash point	38°C . Measured using test method, Closed cup.
Vapour pressure	0.3 - 0.6 kPa @ °C
Relative density	0.900 @ 15°C
Solubility(ies)	Insoluble in water.
Auto-ignition temperature	250°C

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Vapours may form explosive mixtures with air.
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10.2. Chemical stability

Stability	No particular stability concerns.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See sections 10.1,10.4 & 10.5
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10.4. Conditions to avoid

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

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Materials to avoid Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

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.

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 The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Not known.

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 Empty Container can be consigned to normal waste. Unwanted product must be sent for disposal by approved waste contractor.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT

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Proper shipping name (IMDG) PAINT

Proper shipping name (ICAO) PAINT

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

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

14.6. Special precautions for user

EmS F-E, S-E

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 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

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Abbreviations and acronyms used in the safety data sheet	<p>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.</p>
Classification abbreviations and acronyms	<p>Asp. Tox. = Aspiration hazard Flam. Liq. = Flammable liquid STOT SE = Specific target organ toxicity-single exposure</p>
Key literature references and sources for data	<p>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.</p>
Classification procedures according to Regulation (EC) 1272/2008	<p>Calculation Method.</p>
Revision comments	<p>Safety Data Sheet amended in accordance with REACH Commission Regulation (EU) No 2015/830 amendment. (Changes to Sections 2,3,15&16)</p>
Revision date	<p>01/08/2017</p>
Revision	<p>8</p>
SDS status	<p>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.</p>
Hazard statements in full	<p>H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness.</p>