



MATERIAL SAFETY DATA SHEET

Revised 8th December, 2014

SHELLAC VARNISH

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

1.1 Product Identifier

Product name: PURE SHELLAC VARNISH

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

1.3 Details of the supplier of the safety data sheet

Supplier: R.K. & J. Jones Limited
Address: Southery Road, Feltwell
 Thetford, Norfolk, IP26 4EH, UK.
Telephone: 01842 828101
Fax: 01842 828171
Email: Sales@birdbrand.co.uk

1.4 Emergency telephone number

Emergency tel: 01842 828101

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CHIP: F:R11;Xn:R20/21/22;Xn:R68/20/21/22

Classification under CLP: STOT SE 2:H371;Acute Tox:H302;Flam.liq.2:H225

Most adverse effects: Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

2.2 Label elements

Label elements under CLP:

Hazard statements:
 H225:Highly flammable liquid and vapour.
 H302:Harmful if swallowed.
 H371:May cause damage to organs.

Signal words: Danger

Hazard pictograms:
 GHS02: Flame
 GHS07: Exclamation mark
 GHS08: Health Hazard



Precautionary statements:
 P102: Keep out of reach of children.
 P210: Keep away from heat/sparks/open flames/hot surfaces–no smoking.
 P234: Keep only in original container.
 P264: Wash hands thoroughly after handling.

P281: Use personal protective equipment as required.
 P270: Do not eat, drink or smoke when using this product.
 P301+330++331:IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P302+352: IF ON SKIN: Wash with plenty of soap and water.
 P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Label elements under CHIP:**Hazard symbols:**

Highly flammable.
 Harmful.

**Risk Phrases:**

R11: Highly flammable.
 R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
 R68/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Safety Phrases:

S2: Keep out of reach of children.
 S36/37: Wear suitable protective clothing and gloves.
 S46: If swallowed, seek medical advice immediately and show this container or label.

2.3 Other hazards**Other hazards:**

In use, may form flammable/explosive vapour-air mixture.

PBT:

This product is not identified as a PBT/vPvB substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixtures****Hazardous ingredients:****ETHANOL**

EINECS	CAS	CHIP Classification	CLP Classification	Percent
200-578-6	64-17-5	F:R11 Substance with a community workplace exposure limit	Flam.liq.2: H225	50-70%

METHANOL

200-659-6	67-56-1	F:r11;T:r23/24/25;T:R39/23/24/25	Flam.liq.2:H225; Acute Tox.3:H331; AcuteTox.3H311; AcuteTox.3:H301; STOT SE1:H370	1-10%
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SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures****Skin contact:**

Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.

Eye contact:

Bath the eye with running water for 15 minutes. Consult a doctor.

- Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

- Skin contact:** There may be irritation and redness at the site of contact.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.
- Delayed/immediate effects:** Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

- Immediate/special treatment:** Not applicable

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

- Extinguishing media:** Alcohol or polymer foam. Carbon dioxide. Dry chemical powder, use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

- Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

5.3 Advice for fire fighters

- Advice for fire fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

6.2 Environmental precautions

- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4 Reference to other sections

- Reference to other sections:** Refer to section 8 of SDS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air. Smoking is forbidden. Use non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well-ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build-up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3 Specific end use(s)

Specific end use(s): No data available

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits: **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1000 ppm	250 ppm	-	-

Hazardous ingredients:

ETHANOL

Workplace exposure limits: **Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m ³	-	-	-

METHANOL

UK	266mg/m ³	333 mg/m ³	-	-
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DNEL/PNEC Values

DNEL/PNEC: No data available

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties

State:	Liquid		
Colour:	Dark Brown		
Odour:	Alcoholic		
Solubility in water:	Slightly soluble		
Viscosity:	Non-viscous		
Boiling point/range°C:	78	Melting point/range°C:	-112
Flash point°C:	18	Vapour pressure:	58mbar

Relative density: 0.850–0.90 **pH:** 7

9.2 Other information

Other information: No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids

10.6 Hazardous decomposition products

Haz.decomp.products: In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Hazardous ingredients:

ETHANOL

IVN	RAT	LD50	1440	Mg/kg
ORL	MUS	LD50	3450	Mg/kg
ORL	RAT	LD50	7060	Mg/kg

METHANOL

IVN	RAT	LD50	2131	Mg/kg
ORL	MUS	LD50	7300	Mg/kg
ORL	RAT	LD50	5628	Mg/kg

Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH DRM ING	Hazardous: calculated

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

SECTION 12 : ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity values: No data available

12.2 Persistence and degradability

Persistence & degradability: Biodegradable

12.3 Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4 Mobility in soil

Mobility: Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Other adverse effects: Negligible ecotoxicity

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Dispose of as normal industrial waste.

NB. The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

SECTION 14 : TRANSPORT INFORMATION**14.1 UN Number**

UN number: UN 1263

14.2 UN proper shipping name

Shipping name: PAINT RELATED

14.3 Transport hazard class(es)

Transport class: 3

14.4 Packing group

Packing group: II

14.5 Environmental hazards

Environmentally hazardous: No **Marine Pollutant:** No

14.6 Special precautions for user

Special precautions: No special precautions

Tunnel code: D/E

Transport category: 1

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2 Chemical Safety Assessment**

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

SECTION 16: OTHER HEALTH AND SAFETY INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010
*indicates text in the SDS which has changed since the last revision.

Phrases used in S2 and S3: H225: Highly flammable liquid and vapour

H301: Toxic if swallowed
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H370: Causes damage to organs<or state all organs affected, if known><state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>
H371: May cause damage to organs<or state all organs affected, if known><state route of exposure cause the hazard>.
R11: Highly flammable
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25: Toxic: danger of very serious irreversible effects inhalation, in contact with skin and if swallowed.
R68/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Legend of abbreviations:

PNEC= predicted no effect level
DNEL= derived no effect level
LD50= median lethal dose
LC50= median lethal concentration
EC50= median effective concentration
IC50= median inhibitory concentration
dw= dry weight
bw= body weight
cc= closed cup
oc= open cup
MUS= mouse
GPG= guinea pig
RBT= rabbit
HAM= hamster
HMN= human
MAM= mammal
PGN= pigeon
IVN= intravenous
SCU= subcutaneous
SKN= skin
DRM= dermal
OCC= ocular/corneal
PCP= physico-chemical properties

References should be made to the Health & Safety at Work Act.

Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

FROM REVISED 08/12/2014
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CHECKED L JENKINS 12/12/2014