



**MATERIAL  
SAFETY  
DATA SHEET**  
30<sup>th</sup> March 2017

**WHITE KNOTTING**

**SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY**

**1.1 Product identifier**

**Product name:** WHITE KNOTTING

**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**

**Company name:** R. K.& J. Jones Ltd  
 Southery Road  
 Feltwell  
 Thetford  
 Norfolk  
 IP26 4EH

**Tel:** 01842 828101  
**Fax:** 01842 828171  
**Email:** [sales@birdbrand.co.uk](mailto:sales@birdbrand.co.uk)

**1.4 Emergency telephone no.** 01223 968282

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**Classification under CLP:** STOT SE 2: H371; Acute tox.4:H302; Flam.Liq.2: H225

**Most important adverse effects:** Highly flammable liquid and vapour. Harmful if swallowed. May cause damage to organs.

**2.2 Label Elements**

**Label elements**

**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 - and other ignition sources. No smoking  
 P241: Use explosion proof electrical/ventilating/lighting equipment  
 P260: Do not breathe dust/fumes/mist/vapours/spray  
 P280: Wear protective gloves  
 P301+312: IF SWALLOWED: Call if you feel unwell.

**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	PBT / WEL	CLP Classification	Percent
200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	50-70%

METHANOL

200-659-6	67-56-1	-	Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370	1-10%
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**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures****Skin contact:** Wash immediately with soap and water.**Eye Contact:** Bathe the eye with running water for 15 minutes.**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.**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 mild irritation at the site of contact.**Eye contact:** There may be irritation and redness.**Ingestion:** There may be soreness and redness of the mouth and throat. There may be difficulty swallowing. Nausea and stomach pain may occur. There may be vomiting.**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.**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:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.**5.2 Special hazards arising from the substance or mixture****Exposure hazards:** In combustion emits toxic fumes.**5.3 Advice for firefighters****Advice for firefighters:** 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. 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.

**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.

**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 the formation or spread of mists in the air. Avoid direct contact with the substance.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage conditions:** Store in cool, well-ventilated area. Keep container tightly closed.

**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	1000ppm	250ppm	-	-

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 <sup>3</sup>	-	-	-

METHANOL

UK	266 mg/m <sup>3</sup>	333 mg/m <sup>3</sup>	-	-
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**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:** Respiratory protection not required.

**Hand protection:** Protective gloves.

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

**Skin protection:** Protective clothing.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

<b>State:</b>	Liquid
<b>Colour:</b>	Off White
<b>Odour:</b>	Alcoholic
<b>Solubility in water:</b>	Insoluble
<b>Viscosity:</b>	Non-viscous
<b>Kinematic viscosity:</b>	1.2c/p
<b>Viscosity test method:</b>	Kinematic viscosity in 10 <sup>-6</sup> m <sup>2</sup> /s at 40°C (ISO 3104/3105)
<b>Boiling point/range °C:</b>	78
<b>Flash point °C:</b>	17.5
<b>Vapour pressure:</b>	58mbar
<b>Relative density:</b>	0.850-0.90
<b>Melting point/range °C</b>	-112

**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.

**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.

**10.5 Incompatible materials**

**Materials to avoid:** Strong oxidising agents. Strong acids.

**10.6 Hazardous decomp.products**

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

**SECTION 11: TOXICOLOGICAL INFORMATION****Hazardous ingredients:****ETHANOL**

<b>IVN</b>	<b>RAT</b>	<b>LD50</b>	<b>1440</b>	<b>Mg/kg</b>
<b>ORL</b>	<b>MUS</b>	<b>LD50</b>	<b>3450</b>	<b>Mg/kg</b>
<b>ORL</b>	<b>RAT</b>	<b>LD50</b>	<b>7060</b>	<b>Mg/kg</b>

**METHANOL**

<b>IVN</b>	<b>RAT</b>	<b>LD50</b>	<b>2131</b>	<b>Mg/kg</b>
<b>ORL</b>	<b>MUS</b>	<b>LD50</b>	<b>7300</b>	<b>Mg/kg</b>
<b>ORL</b>	<b>RAT</b>	<b>LD50</b>	<b>5628</b>	<b>Mg/kg</b>

**Relevant effects for mixture:**

Hazard	Route	Basis
Acute toxicity (ac. tox 4)	ING	Hazardous: calculated
STOT-Single exposure		Hazardous: calculated

**Symptoms/routes of exposure**

<b>Skin contact:</b>	There may be irritation at the site of contact.
<b>Eye contact:</b>	There may be irritation and redness.
<b>Ingestion:</b>	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
<b>Inhalation:</b>	Absorption through the lungs can occur causing symptoms similar to those of ingestion.
<b>Delayed/immediate effects:</b>	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 and degradability:** Biodegradable.

**12.3 Bio accumulative potential**

**Bio accumulative 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 a 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:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

**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**

**Specific regulations:** Not applicable

**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 INFORMATION**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830  
 \*indicates text in the SDS which has changed since the last revision.

**Phrases used in S2/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 if it is conclusively proven that no other routes of exposure cause the hazard>

**Disclaimer**

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