



MATERIAL SAFETY DATA SHEET

Revised 7th September, 2006

PATENT KNOTTING

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

Product/Material: PATENT KNOTTING
Part No: POKT
Supplier: R.K. & J. Jones Limited
Address: Southery Road, Feltwell, Thetford, Norfolk, IP26 4EH, UK.
Telephone: 01842 828101
Fax: 01842 828171

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS	CAS No.	CONTENTS	HEALTH	RISK
Ethanol 64-17-5	200-578-6	F R-11	30-60%		

The full text for all R-Phrases are displayed in Section 16.

SECTION 3: HAZARDS IDENTIFICATION

Highly Flammable

SECTION 4: FIRST AID MEASURES

Eye Contact: Make sure you remove any contact lenses before rinsing. Quickly wash eyes with plenty of water while lifting the eye lids, continue for 15 minutes. Get medical attention if any discomfort continues.

Skin Contact: Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Inhalation: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get immediate medical attention. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist by administering 100% oxygen. Place unconscious person on the side in the recovery position and ensure breathing.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Seek medical attention if any discomfort continues.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media: Use: Water spray, fog or mist. Alcohol resistant foam. Dry chemicals, sand, dolomite etc.

Special Fire Fighting Procedures: Move container from fire area if it can be done without risk. Containers close to fire should be removed or cooled with water.

Cool containers exposed to flames with water until well after the fire is out. Avoid water in straight hose stream, will scatter/spread fire.

Unusual Fire & Explosion Hazards:

Vapours are heavier than air and spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back. Heat may cause the containers to explode.

Hazardous combustion

Products:

Fire creates: Carbon dioxide (CO₂). Carbon Monoxide (CO)

Protective Measures in fire: Wear self contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precaution in Spill: Wear suitable protective clothing as specified under section 8 of this Safety data sheet – Exposure Controls and Personal Protection.

Precautions to Protect Environment:

Do not allow spilled material to enter drains or water courses.

Spill Cleanup Methods:

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Stop leak if possible without risk. Inform authorities if large amounts are involved. Runoff or release to sewer, waterway or ground is forbidden. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

SECTION 7 : HANDLING AND STORAGE

Usage Precautions:

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Risk of vapour concentration on the floor and in low lying areas. Static electricity and formation of sparks must be prevented. Use explosion proof electric equipment.

Storage Precautions:

Ground container and transfer equipment to eliminate static electric sparks. Keep away from heat, sparks and open flame. Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

Storage Criteria:

Flammable liquid storage.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient Name:

Ethanol

Cas No.

64-17-5

STD

OES

LT EXP 8 Hrs

1000ppm

ST EXP 15 mins

No Std.

Protective Equipment:



Ventilation:

Well ventilated area. Explosion proof general and local exhaust ventilation.

Respirators:

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level. (OEL).

Protective Gloves:

Use protective gloves made of Neoprene, nitrile, Polythene or PVC.

Eye Protection:

If risk of splashing, wear safety goggles or face shield.

Hygienic Work Practices: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Remove any clothing that becomes contaminated. Use appropriate hand lotion to prevent defatting and cracking of skin. No eating or drinking while working with this material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

Appearance: Liquid

Solubility Description: Insoluble in water

Flash Point (°C): <21

Method: CC (Closed Cup)

SECTION 10 : STABILITY AND REACTIVITY

Stability: Normally stable

Conditions to Avoid: Avoid heat, flames and other sources of ignition. Avoid contact with strong mineral acids, and oxidising materials. Strong alkalis.

Hazardous Decomp. Products: Fire creates: Toxic gases/vapours/fumes of: Carbon Dioxide (CO₂)
Carbon monoxide (CO)

SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation: Exposure to organic solvent vapours in excess of the stated occupational exposure limit may result in adverse affects such as irritation of the mucous membrane and respiratory system and adverse effects on kidney, liver and C.N.S. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and sometimes in extreme cases loss of consciousness.

Skin Contact: Prolonged or repeated skin contact with the product may cause removal of natural fats from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

Ingestion: May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause dizziness, headaches, nausea, sickness, vomiting and diarrhoea.

SECTION 12 : ECOLOGICAL INFORMATION

None available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Dispose of in accordance with local authority requirements.

SECTION 14 : TRANSPORT INFORMATION

Label for Conveyance



UK Road Transport Class	3
UK Road Pack GR	II
ADR Class No:	3
ADR Class:	Class 3: Flammable liquids
ADR Item No:	31(c)
ADR Marginal	2301
ADR Label No:	3
Hazchem code:	3 [Y]
Cefic Tec (R) No:	30G80
Proper shipping Name:	Paint or paint related material
RID Class No:	3
Rid Item No:	31 (c)
UN No:Sea:	1263
IMDG Class:	3
IMDG Pack GR:	II
EMS No:	3-06
MFAG TABLE No.	See Guide
Marine Pollutant:	No
UN No: AIR:	1263
ICAO Class:	3
Air Pack GR:	II

SECTION 15 : REGULATORY INFORMATION

Label for Supply:

Risk Phrases: R-11 Highly Flammable.

Safety Phrases:

- S16** Keep away from sources of ignition – No smoking
- S-2** Keep out of the reach of children.
- S-46** If swallowed seek medical advice immediately and show this container or label.
- S-51** Use only in well ventilated area.
- S-56** Dispose of this material and its container to hazardous or special waste collection point.
- S-9** Keep container in a well ventilated place.

SECTION 16 : OTHER HEALTH AND SAFETY INFORMATION

REV.

REV.No/REPL.SDS GENERATED 001

R-PHRASES (Full Text) R-11 Highly flammable

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

Disclaimer:

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

Note: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act,1974;the control of Substances Hazardous to Health Regulations,1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.

INPUT BY F. COPE

APPROVED BY M. WORLEY

RKJ- SEPT 06 AMENDED.