

## **TROWELLING MASTIC**

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

**1.1 Product identifier**

**Product name** Trowelling Mastic

**1.3 Details of the supplier of the safety data sheet**

**Company** R. K. & J. Jones Ltd  
Feltwell, Thetford, Norfolk.  
IP26 4EH  
**Telephone:** 01842 828101  
**Fax:** 01842 828171  
**Email:** [sales@birdbrand.co.uk](mailto:sales@birdbrand.co.uk)

**1.4 Emergency telephone number**

**Emergency telephone number** 01223 968282

### **SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**2.1.1 - Classification** Xn; R48/20 R10-52/53  
**67/548/EEC** Symbols: Xn: Harmful

**Main Hazards** Flammable. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

**2.1.2 Classification – EC** Flammable liquid 3: H226; STOT RE 2: H373; Aquatic Chronic 3:  
**1272/2008** H412

**2.2 Label elements**



**Hazard pictograms**

**Signal word**

**Hazard statement**

Warning

Flam.liq.3: H226 – Flammable liquid and vapour.

STOT RE 2: May cause damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3: H412 – Harmful to aquatic life with long lasting effects.

**Precautionary Statement**

P210 – Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 – Keep container tightly closed.

P240 – Ground/bond container and receiving equipment

P241 – Use explosion proof electrical/ventilating/lighting/equipment.

P242 – Use only non-sparking tools

P243 – Take precautionary measures against static discharge.

P260 – Do not breathe dust/fume/gas/mist/vapours/spray

P273 – Avoid release to the environment  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary Statement Response** P303+P361+P353- IF ON SKIN (Or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P314 – Get medical advice/attention if you feel unwell.  
 P370+P378 – In case of fire: Use for extinction.

**Precautionary Statement Storage** P403+P235 – Store in a well-ventilated place. Keep cool.

**Precautionary Statement Disposal** P501 – Dispose of contents/container to licensed waste disposal site.

**2.3 Other hazards**

**Other hazards** None known  
**Further information** Naphtha (Petroleum), Hydro-sulfurized Heavy: Low Boiling=white spirit

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.1 Substances 67/548/EEC/1999/45/EC**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Penetration Bitumen				01-2119480172-44	20 - 30%	
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)		64742-88-7	919-446-0	01-2119458049-33	1 - 10%	Xn; R48/20-65 N; R51/53 R10-66-67
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)		64742-80-9	919-006-8	01-2119455996-19	1 - 10%	Xn; R65 R53-66
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	0.5 - 1%	F; R11 Xi; R36 R67
3-(isodecyloxy)propylammonium acetate		28701-67-9			0 - 0.5%	C; R34 Xn; R22 N; R50/53
Phosphoric Acid (Orthophosphoric acid)		7664-38-2	231-633-2	01-2119485924-24	0 - 0.5%	C; R34

**EC 1272/2008**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Penetration Bitumen				01-2119480172-44	20 - 30%	
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)		64742-88-7	919-446-0	01-2119458049-33	1 - 10%	EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)		64742-80-9	919-006-8	01-2119455996-19	1 - 10%	Asp. Tox. 1: H304; Aquatic Chronic 4: H413;
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	0.5 - 1%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;
3-(isodecyloxy)propylammonium acetate		28701-67-9			0 - 0.5%	
Phosphoric Acid (Orthophosphoric acid)		7664-38-2	231-633-2	01-2119485924-24	0 - 0.5%	Skin Corr. 1C: H314;

**SECION 4: FIRST AID MEASURES**

#### 4.1 Description of first aid measures

<b>Inhalation:</b>	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
<b>Skin Contact:</b>	May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Eye Contact:</b>	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical advice if irritation or symptoms persist.
<b>Ingestion:</b>	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.
<b>General information</b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

### SECTION 5: FIRE FIGHTING MEASURES

- 5.1 **Extinguishing media**  
Carbon oxides. Alcohol resistant foam.
- 5.2 **Special hazards arising from the substance or mixture**  
Burning produces irritating, toxic and obnoxious fumes.
- 5.3 **Advice for firefighters**  
Wear suitable respiratory equipment when necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES/SPILLS AND LEAKS

- 6.1 **Personal precautions, protective equipment and emergency procedures.**  
Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Eliminate all sources of ignition. Wear suitable protective equipment.
- 6.2 **Environmental precautions**  
Do not allow product to enter drains. Prevent further spillage if safe.
- 6.3 **Methods and material for containment and cleaning up**  
Avoid raising dust. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
- 6.4 **Reference to other sections**  
SECTION 13: Disposal considerations. SECTION 8: Exposure controls/ personal protection.

### SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling**  
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Keep away from sources of ignition – No smoking.
- 7.2 **Conditions for safe storage, including any incompatibilities**  
Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.1.1 Exposure Limit Values

Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500	WEL 8-hr limit mg/m3: 999 WEL 15 min limit mg/m3: 1250
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)	WEL 8-hr limit ppm:  WEL 15 min limit ppm:	WEL 8-hr limit mg/m3: 350  WEL 15 min limit mg/m3:
Phosphoric Acid (Orthophosphoric acid)	WEL 8-hr limit ppm: -  WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 1  WEL 15 min limit mg/m3: 2

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Ensure adequate ventilation of the working area.

#### 8.2.2 Individual protection measures

<b>Eye/face protection</b>	Wear chemical protective clothing Approved safety goggles
<b>Skin protection –</b>	
<b>Hand protection</b>	Chemical resistant gloves (PVC)
<b>Respiratory protection</b>	Wear suitable respiratory equipment when necessary.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

<b>State:</b>	Paste
<b>Colour:</b>	Black
<b>Odour:</b>	Characteristic
<b>pH:</b>	Not applicable
<b>Melting point:</b>	Not relevant
<b>Freezing point:</b>	Not relevant
<b>Boiling point:</b>	>153°C
<b>Flash point:</b>	>39°C
<b>Evaporation rate:</b>	Not relevant
<b>Flammability limits:</b>	Not applicable
<b>Vapour flammability:</b>	Not applicable
<b>Upper explosive limit:</b>	8%
<b>Lower explosive limit:</b>	0.7%
<b>Vapour pressure:</b>	Not determined
<b>Vapour density:</b>	Not determined
<b>Fat solubility:</b>	Not determined
<b>Partition coefficient:</b>	Not determined
<b>Auto-ignition temperature:</b>	>200
<b>Viscosity:</b>	>1000 cPs (BS EN Brookfield)
<b>Oxidising:</b>	Not determined
<b>Solubility:</b>	Insoluble in water

### 9.2 Other information

<b>Conductivity:</b>	Not determined
<b>Surface tension:</b>	Not determined
<b>Specific gravity:</b>	1.2 – 1.5 g/cm <sup>3</sup>
<b>Gas group:</b>	Not applicable
<b>VOC (Volatile organic Compounds):</b>	Not relevant

## SECTION 10: STABILITY AND REACTIVITY

- 10.2 **Chemical stability** Stable under normal conditions
- 10.3 **Possibility of hazardous reactions**  
Oxidising agents
- 10.4 **Conditions to avoid** Heat, sparks and open flames.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Respiratory or skin

- Sensitisation:** No sensitisation effects reported.
- Germ cell mutagenicity:** No mutagenic effects reported.
- Carcinogenicity:** No carcinogenic effects reported.
- Reproductive toxicity:** No observed effect level.
- STOT repeated exposure:** Central nervous system.
- Repeated or prolonged Exposure** Repeated or prolonged exposure may cause dermatitis.

#### 11.1.4 Toxicological information

3-(isodecyloxy)propylammonium acetate	Oral Rat LD50: 1200 mg/kg	
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	Inhalation Rat LC50/4 h: >5.28 mg/l	Dermal Rat LD50: >1700 mg/kg
	Oral Rat LD50: >4150 mg/kg	
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Inhalation Rat LC50/>13.1 h: 4 mg/kg	Oral Rat LD50: >15000 mg/kg
	Dermal Rabbit LD50: 3400 mg/kg	

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, aromatics (2-30%)	Daphnia EC50/48h: 1000.0000 mg/l	Fish LC50/96h: 1000.0000 mg/l
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Daphnia EC50/48h: 20.0000 mg/l	Rainbow trout LC50/96h: 10 - 30 mg/kg

### 12.2 Persistence and degradability

Not readily biodegradable.

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the criteria for classification as PBT or vPvB.

### 12.6 Other adverse effects

None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

**General information:** Dispose of in compliance with all local and national regulations.

**Packaging disposal:** After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free) Dispose of this material and its container to hazardous or special waste collection point.

## SECTION 14: TRANSPORT INFORMATION



**Hazard pictograms:**

**14.1 UN number:** UN 1133  
**14.2 UN proper shipping name:** ADHESIVES (contains: Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling\*)

**14.3 Transport hazard class(es)**

**ADR/RID** 3  
**Subsidiary risk:** -  
**IMDG:** 3  
**Subsidiary risk:** -  
**IATA:** 3  
**Subsidiary risk** -

**14.4 Packing group**

**Packing group:** III

**14.5 Environmental hazards**

**Environmental hazards:** No  
**Marine pollutant:** No

**ADR/RID**

**Hazard ID** 30  
**Tunnel Category** (D/E)

**IMDG**

**EmS Code** F-E S-D

**IATA**

**Packing instruction (cargo)** 366  
**Maximum quantity:** 220L  
**Packing instruction (passenger)** 355  
**Maximum quantity:** 60L

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**Regulations:**

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18<sup>th</sup> December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) NO 793/93 and

Commission Regulation(EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

## SECTION 16: OTHER INFORMATION

### Other information:

#### Data sources:

Data extracted from individual component Safety Data Sheets

#### Text of risk phrases in

#### Section 3:

R10 – Flammable

R11 – Highly Flammable

R22 – Harmful if swallowed

R34 – Causes burns

R36 – Irritating to eyes

R48/20 – Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R50/53 – Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53 – May cause long term adverse effects in the aquatic environment.

R65 – Harmful: may cause lung damage if swallowed.

R66 – Repeated exposure may cause skin dryness or cracking.

R67 – Vapours may cause drowsiness and dizziness.

#### Text of hazard statements

#### In Section 3:

EUH066 – Repeated exposure may cause skin dryness or cracking.

Flam. Liq. 3: H226 – Flammable liquid and vapour.

Asp. Tox. 1: H304 – May be fatal if swallowed and enters airways.

STOT SE 3: H336 – May cause drowsiness or dizziness.

STOT RE 1: H372 – Causes damage to organs through prolonged or repeated exposure.

Aquatic Chronic 2: H411 – Toxic to aquatic life with long lasting effects.

Aquatic Chronic 4: H413 – May cause long lasting harmful effects to aquatic life.

Flam. Liq. 2: H225 – Highly flammable liquid and vapour.

Eye Irrit. 2: H319 – Causes serious eye irritation.

Skin Corr. 1C: H314 – Causes severe skin burns and eye damage.

#### Legal disclaimer:

The above information is believed to be correct but does not purport 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.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility