



**MATERIAL
SAFETY
DATA SHEET**
Revised 24th June 2004

REFINED COAL TAR/BRUSHING TAR

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

Product/Material: **REFINED COAL TAR/BRUSHING TAR**
Product Description: **COAL TAR- PROFESSIONAL USE ONLY**
Trade Name: BRUSHING TAR, TAR EXTENDER,
Chemical Family: REFINED TAR B.G., EVT 54, 42, 30
Manufacturer: R.K. & J. Jones Limited
Address: Southery Road
Feltwell
Thetford, Norfolk
IP25 4EH
U.K.
Telephone: 01842 828101
Fax: 01842 828171

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: A complex blend of aromatic hydrocarbons and coal tar pitch.

Hazardous Components:

Substance	Symbol	Risk Phrases
Benz[a] anthracene	T	R45
Benzo [b+j+k] fluoranthene	T	R45
Benzo [a] Pyrene	T	R45,46,60,61
Dibenzo [a,h] anthracene	T	R45
Naphthalene	N/A	O.E.S: 10ppm
C14-C18 Hydrocarbons	XI	R36/37/38

SECTION 3: HAZARDS IDENTIFICATION

Classification: Carcinogenic, Mutagenic, and toxic to reproduction.
Physio- Chemical Risks: None
Health risks: This product is of coal tar origin and prolonged contact of long periods can result in the appearance of tar warts which require immediate treatment.
Environmental Effects: Not known.

SECTION 4: FIRST AID MEASURES

General: Remove from contact. Remove any contaminated clothing, seek medical advice.
Inhalation: Remove to fresh air. If the patient stops breathing, apply artificial respiration, and oxygen if necessary. Seek medical attention.
Skin Contact: Remove contaminated clothing. Flush the affected area with plenty of water then wash with soap and water. Small adhering plaques may be removed by using vegetable oil, but if area is large then seek medical attention
Eye Contact: Wash with water for at least ten minutes. Seek medical advice.
Ingestion: Do not induce vomiting- If the patient is conscious give copious quantities of water or milk to drink. If unconscious give nothing. Seek medical advice. Apply artificial respiration if necessary.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point(C):	105°C. (CLOSED CUP).
Suitable Extinguishing Media:	Dry Chemical, foam or water spray.
Unsuitable Extinguishing Media:	Water jet.
Special Fire Fighting Procedures:	Smother to extinguish the flames.
Special Protective Equipment:	Full body protection with breathing equipment.
Decomposition/Combustion Products:	Incomplete combustion may result in the release of toxic carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES/SPILLS AND LEAKS

Personal Precautions:	Personal working with a spillage should wear goggles. PVC gloves, boots and full overalls. Depending upon the size of the spillage, respiratory protection may be required.
Environmental Precautions:	The product should be kept out of water courses and streams, but if this proves impossible the appropriate authorities should be informed.
Cleaning Up Method:	Maintain effective ventilation. Product should be contained by earth or sand and then removed to a safe place. Wash the effected area as soon as pick up is complete. Dispose of in accordance with waste regulations

SECTION 7 : HANDLING AND STORAGE

Precautions for Safe Handling:	Maintain adequate ventilation. Empty containers by gravity or suction. Personnel should wear PVC gloves and goggles. If fume is present, respirators fitted with suitable organic vapour cartridges should be worn. No smoking or naked flames.
Conditions for Safe Storage:	No special requirements are necessary.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Limits:	General or local ventilation may be necessary. Control for the presence of naphthalene which volatilises readily. OES is 10ppm.
Respiratory Protection:	Operators may have to wear a cartridge or canister respirator for operations producing excessive vapours.
Hand Protection:	 Operators should wear PVC gloves.
Eye Protection:	 Operators should wear chemical proof goggles. The additional use of a face visor may be desirable
Skin Protection:	Suitable protective clothing. Heavily contaminated clothing must not be worn and oily rags should not be put in pockets Under and outer clothing should be changed regularly. Workers should be encouraged to report any unusual skin conditions. Regular health examinations should be carried out.
General:	Take measures to prevent build up of vapour.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

Appearance:	Black liquid
Odour:	Perceptible
pH:	Not determined
Boiling Point/Boiling Range(C):	Approx. 230°C.
Melting Point/Melting Range (C):	Not determined
Flash Point (C)/Method Used:	Approx. 105°C
Flammability Limits (% by volume):	Combustible
Autoflammability (deg C):	Approx. 550°C
Explosive Properties:	Vapours can cause explosive mixtures
Oxidising Properties:	Not determined
Viscosity	20 - 70 cS at 50°C.
Vapour Pressure (mm Hg) (20 C):	ca. 0.2 mbar
Relative Density (H2O =1):	Approx. 1.10 g/cm ₃ at 15 °C.
Solubility (% by wt):	Approx. 95% in Toluene
Miscibility:	Immiscible in water
Other data:	

SECTION 10 : STABILITY AND REACTIVITY

Stability:	Stable at ambient temperatures
Conditions to Avoid:	Not determined
Materials to Avoid:	Ignition can occur at low temperatures, e.g. in contact with impregnated insulating materials and Pyrophoric iron sulphide.
Hazardous Decomposition Products:	Incomplete combustion in a fire may produce toxic carbon monoxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Data:	Short term exposure to fume and vapour may cause irritation to the nose, eyes and respiratory tract. Headache and nausea are also possible. Splashes to the skin should be prevented since this may cause irritation, particularly in strong sunlight. Long term exposure to high concentrations may result in damage to the internal organs.
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SECTION 12 : ECOLOGICAL INFORMATION

No information available at present.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not empty into drains, sewers, streams or rivers. Disposal must be in accordance with local and national legislation. Contaminated waste and packaging should be destroyed by incineration at an approved incinerator.

SECTION 14 : TRANSPORT INFORMATION

Combustible liquid. Not classified as Hazardous for transport.	
UN Number:	1999
UN Packaging Group:	III
Emergency Action Code:	2W
UN Hazard Class:	9

SECTION 15 : REGULATORY INFORMATION UNITED KINGDOM ONLY

Classification: Carcinogenic, Mutagenic and 'Toxic to reproduction'



Supply Label:		'TOXIC'
Risk Phrases:	R45	May cause cancer.
	R46	May cause heritable genetic damage

Safety Phrases:	R60	May impair fertility.
	R61	May cause harm to the unborn child.
	S53	Avoid exposure- obtain special instruction before use.
	S44	If you feel unwell seek medical advice.

National Regulation: The product is classified and labelled for supply in accordance with 'CHIP' the "Chemicals (Hazard Information and Packaging) Regulations 1994' Health and Safety at Work 1974 Factories Act 1961. Chemicals (Hazard Information and Packaging) Regulations 1994. Control of Substances Hazardous to Health Regulations 1988.

SECTION 16 : OTHER HEALTH AND SAFETY INFORMATION

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 customers 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.

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