



# MATERIAL SAFETY DATA SHEET

16<sup>th</sup> May 2017

## NEW FORMULA BLACK TAR VARNISH

### SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product Identifier

**Product/Material Name**            **New Formula Black Tar Varnish**

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

**Product Use**                            [SU21 Consumer uses: Private households (=general public =consumers); [PC9a] Coatings and paints, thinners, paint removers;

#### 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  
**E-mail Address:**                      sales@birdbrand.co.uk

#### 1.4 Emergency Telephone Number

**Emergency Number:**                01223 968282

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

**2.1.1. Classification – 67/548/EEC**                            Xi; R37 N; R51/53 R10-66-67  
 Symbols: Xi: Irritant. N: Dangerous for the environment.

**Main hazards**                                Flammable. Irritating to respiratory system. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

**2.1.2 Classification – EC 1272/2008**                            EUH066; Flam.liq.3: H226; STOT SE 3: H335; STOT SE 2: H371; Aquatic Chronic 2: H411;

#### 2.2 Label elements



**Hazard pictograms**

**Signal word**                                Warning

**Hazard Statement**                      EUH066 – Repeated exposure may cause skin dryness or cracking.  
 Flam.liq.3: H226 – Flammable liquid and vapour.

STOT SE 3: H335 – May cause respiratory irritation.  
 STOT SE 2: H371 – May cause damage to organs.  
 Aquatic Chronic 2: H411 – toxic to aquatic life with long lasting effects.

### Precautionary Statement Prevention

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/ventilation/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.  
 P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264 – Wash thoroughly after handling.  
 P270 – Do not eat, drink or smoke when using this product.  
 P271 – Use only outdoors or in a well-ventilated area.  
 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.  
 P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P309+P311 – IF exposed or if you feel unwell: call a POISON CENTRE or doctor/physician.  
 P312- Call a POISON CENTRE OR doctor/physician if you feel unwell.  
 P370+P378 – In case of fire: use for extinction.  
 P391 – Collect spillage.

### Precautionary Statement Storage

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 – Store in a well-ventilated place. Keep cool.  
 P405 – Store locked up.

### Precautionary Statement Disposal

P501 – Dispose of contents/container to licensed waste disposal site.

### 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
C9 Aromatic Hydrocarbon		64742-95-6	918-668-5	01-2119455851-35	30 - 40%	Xn; R65 Xi; R37 N; R51/53 R10-66-67
Bitumen		64742-93-4	265-196-4	01-2119498270-36	30 - 40%	
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)		64742-88-7	919-446-0	01-2119458049-33	10 - 20%	Xn; R48/20-65 N; R51/53 R10-66-67

## EC 1272/2008

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C9 Aromatic Hydrocarbon		64742-95-6	918-668-5	01-2119455851-35	30 - 40%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H335; STOT SE 3: H336; Aquatic Chronic 2: H411;
Bitumen		64742-93-4	265-196-4	01-2119498270-36	30 - 40%	
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)		64742-88-7	919-446-0	01-2119458049-33	10 - 20%	EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;

**SECTION 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>Eye contact</b>	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<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>Ingestion</b>	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist.

**4.2 Most important symptoms and effects, both acute and delayed**

<b>Inhalation</b>	Vapours inhaled in strong concentration have a narcotic effect on the central nervous system. In severe cases, may cause loss of consciousness. May cause irritation to respiratory system.
<b>Eye contact</b>	May cause irritation to eyes
<b>Skin contact</b>	Repeated exposure may skin dryness or cracking. May cause irritation to skin.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting
<b><u>General information</u></b>	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) Treat symptomatically.

**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. Advise for Fire-fighters** Wear suitable respiratory equipment when necessary.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation of the working area. Evacuate personnel to 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 materials for containment and cleaning up**

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

**SECTION 7: HANDLING AND STORAGE**

**7.1. Precautions for safe handling**

Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Use explosion proof equipment. 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 limits Values**

C9 Aromatic Hydrocarbon	WEL 8-hr limit ppm: 25 WEL 15 min limit ppm:	WEL 8-hr limit mg/m3: 150 WEL 15 min limit mg/m3:
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:

**8.2. Exposure controls**



**8.2.1. Appropriate Engineering Controls**

Ensure adequate ventilation of working area.

**8.2.2. Individual Protection Measures**

Wear chemical protective clothing.

**Eye / Face Protection**

Approved safety goggles.

**Skin/Hand Protection.–**

Chemical resistant gloves (PVC).

**Respiratory Protection**

Wear suitable respiratory equipment when necessary.

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

State	Liquid
Colour	Black
pH	Not applicable
Odour	Characteristic
Melting Point	Not relevant
Freezing Point	Not relevant
Boiling Point	140-200°C
Flash Point	>39°C
Evaporation rate	Not determined.
Flammability rates	Not applicable
Flammability limits	Not applicable
Upper Explosive Limit	8%
Lower Explosive Limit	0.7%
Autoignition temperature	>200°C
Viscosity	> 200 m Pas (Cone and plate)
Solubility	Insoluble in water

**9.2. Other information**

Conductivity	Not determined
Surface tension	Not determined
Specific gravity	0.92 – 0.98 g/cm <sup>3</sup>
Gas group	Not determined
VOC (Volatile organic Compounds)	<434g/l

**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****11.1.4 Skin corrosion/irritation**

<b>Skin corrosion/irritation</b>	No observed effect level
<b>Serious eye damage/irritation</b>	Burning feeling and temporary redness
<b>Respiratory or skin Sensitisation</b>	Inhalation is irritating to the respiratory tract and may cause damage to the central nervous system.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported
<b>Carcinogenicity</b>	No carcinogenic effects reported
<b>Reproductive toxicity</b>	No data is available on this product
<b>Stot-repeated exposure</b>	Components (s) may cause damage to human organs based on animal data.
<b>Repeated or prolonged Exposure</b>	Harmful: danger of serious damage to health by prolonged exposure through inhalation. Repeated or prolonged exposure may cause dermatitis.

**11.1.4. Toxicological Information**

C9 Aromatic Hydrocarbon	Inhalation Rat LC50/30min: >6193 Dermal Rabbit LD50: 3160	Oral Rat LD50: 3492
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Inhalation Rat LC50/>13.1 h: 4 mg/kg Dermal Rabbit LD50: 3400 mg/kg	Oral Rat LD50: >15000 mg/kg

**SECTION 12: ECOLOGICAL INFORMATION****12.1. Toxicity**

C9 Aromatic Hydrocarbon	Daphnia EC50/48h: 10.0000 mg/l Green algae EC50/96h: <10 mg/l	Fish LC50/96h: 10.0000 mg/l
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling	Daphnia EC50/48h: 20.0000 mg/l	Rainbow trout LC50/96h: 10 - 30 mg/kg

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

**12.2 Persistence and degradability**

Not readily biodegradable.

**12.3 Bio-accumulative potential**

No data is available on this product.

**12.4 Mobility in soil**

UVCB

**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**

May cause long term adverse effects in the aquatic environment.

**SECTION 13: DISPOSAL CONSIDERATIONS****General Information**

Dispose of in compliance with all local and national regulations.

**Disposal of packaging**

After final product withdrawal, all residues must be removed from container (drip free, powder-free or paste-free). Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

**SECTION 14: TRANSPORT INFORMATION****Hazard pictograms****14.1. UN number**

UN 1999

**14.2. UN proper shipping name**

TARS, LIQUID (Contains: Naphtha (Petroleum), Hydro-sulfurized Heavy; Low Boiling\*)

**14.3. Transport hazard class(es)**

ADR/RID 3  
Subsidiary risk -  
IMDG 3

<b>Subsidiary risk</b>	-
<b>IATA</b>	3
<b>Subsidiary</b>	-

**14.4. Packing Group**

<b>Packing Group</b>	III
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**14.5. Environmental Hazards**

<b>Environmental hazards</b>	Yes
<b>Marine pollutant</b>	Yes

**ADR/RID**

<b>Hazard ID</b>	30
<b>Tunnel Category</b>	(D/E)

**IMDG**

<b>EmS Code</b>	F-E-S-E
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**IATA**

<b>Packing Instruction (Cargo)</b>	366
<b>Maximum quantity</b>	220 L
<b>Packing Instruction (Passenger)</b>	355
<b>Maximum quantity</b>	60L

**Further information** It is also possible to use UN 1263 Paint Related Products (3,III,(D/E))

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

<b>Regulations</b>	COMMISSION REGULATION (EU)No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemical Agency, amending Directive 1999/45/EC and repealing Council Directive 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155EEC, 93/67EEC, 93/105EC and 2000/21EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 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.
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**SECTION 16: OTHER HEALTH AND SAFETY INFORMATION****Other Information****Data sources**

Data extracted from individual component Safety Data Sheets

**Text of risk phrases in Section 3**

R10 - Flammable.

R37 – Irritating to respiratory system.

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

R51/53 – Toxic to aquatic organisms, 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**

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

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

STOT SE 3: H335 – May cause respiratory irritation.

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

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

EUH066 – Repeated exposure may cause skin dryness or cracking.

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

**Product subcategory**

One-pack performance coatings – 500g/l

**Maximum content of VOC**

434 g/l

**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 to satisfy himself as to the suitability of such information for his own use.