



MATERIAL SAFETY DATA SHEET

REVISION DATE
09/03/2017

Black Bituminous Paint

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

1.1 Product Identifier

Product/Material Name Black Bituminous Paint

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

Product Uses (SU3) Industrial uses: Uses of substances as such or in preparations at Industrial sites; (PC9a) Coatings and paints, thinners, paint removers; (PROC10) Roller application or brushing; (ERC5) Industrial use resulting in inclusion into or onto a matrix;

(SU3) Industrial uses: Uses of substances as such or in preparations at Industrial sites; (PC9a) Coatings and paints, thinners, paint removers; (PROC7) Industrial spraying; (ERC5) Industrial use resulting in inclusion into or onto a matrix.

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: 44 (0) 1223 968282 (Out of hours emergency number)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.2. Classification – EC
1272/2008

EUH066; Flam.Liq.3: H226; STOT SE 3: H336; STOT RE 1: H372;
Aquatic Chronic 2; H411;

2.2 Label Elements



Hazard pictograms
Signal Word
Hazard Statement

Danger
EUH066 – Repeated exposure may cause skin dryness or cracking.
Flam.Liq. 3: H226 – Flammable liquid and vapour.

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: H4111 – 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.
 P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.
 P270 – Do not eat, drink or smoke when using this product.
 P271 – Use only outdoors or in 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.
 P314 - Get medical advice/attention if you feel unwell.
 P391 – Collect spillage.

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Reg. Number	Conc. (%w/w)	Classification
Bitumen		64742-93-4	265-196-4	01-2119498270-36	50-60%	
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White Spirit).		64742-88-7	919-446-0	01-2119458049-33	40-50%	EUH066;Flam Liq3: H226;AspTox1:H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic2:H411;

SECTION 4: FIRST AID MEASURES

4.1. Description of first-aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist. Wash off immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
Ingestion	Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation may cause nausea and vomiting. May cause dizziness and headache.
Eye Contact	May cause irritation to eyes. May cause irritation to mucous membranes.
Skin Contact	May cause degreasing of the skin. May cause irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting.

SECTION 5 : FIRE FIGHTING MEASURES

5.1. Extinguishing media Alcohol resistant foam. Carbon dioxide (CO₂). Do NOT use water jet. Dry Chemical.

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. Eliminate all sources of ignition. Wear suitable protective equipment.

6.2. Environmental precautions

Do not flush into surface water. 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.

6.4. Reference to other sections

Section 13: Disposal considerations. SECTION 14: Transport Information. SECTION 2: Hazards identification.

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. Use explosion proof equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Keep in a cool, dry, well ventilated area. Store in correctly labelled containers.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Exposure limits Values

Naphtha (Petroleum),
Hydrosulfurized Heavy; Low
Boiling (White Spirit).

WEL 8-hr limit ppm:

WEL 8- hr limit mg/m3: 350

WEL 15 min limit ppm:
WEL 8-hr limit mg/m3 total
Inhalable dust:
WEL 8-hr limit mg/m3 total
Respirable dust:

WEL 15 min limit mg/m3:
WEL 15 min limit mg/m3 total
Inhalable dust:
WEL 15 min limit mg/m3 total
respirable dust:

DNEL: Derived no-effect level

Exposure Pattern – Workers

Naphtha (Petroleum)

Acute inhalation-Systemic
Effects 570 mg/m3

Hydrosulfurized Heavy; Low
Boiling

Long term – inhalation –
Systemic effects 330mg/m3

Long term-dermal-Systemic
effects 44mg/kg

Exposure pattern – General Population

Naphtha (Petroleum)

Acute inhalation-Systemic
Effects 570mg/m3
Long term-inhalation-
Systemic effects 71mg/m3
Long term-oral-Systemic
Effects 26mg/kg

Long term-dermal-Systemic
effects 26mg/kg

8.2. Exposure controls



8.2.1. Appropriate Engineering Controls

Ensure adequate ventilation of working area.

8.2.2. Individual Protection Measures

Wear suitable protective clothing.

Eye / Face Protection

Suitable eye protection.

Skin protection –
Hand protection

Chemical resistant gloves (PVC).

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Black
Odour	Characteristic
pH	Not applicable
Melting Point	Not relevant

Freezing Point	Not relevant
Boiling Point	>150°C
Flash Point	>39°C
Upper Explosive Limit	8%
Lower Explosive Limit	0.6%
Vapour Density	>1 g/cm ³
Fat Solubility	Not determined
Partition coefficient	Not determined
Auto-ignition temperature	Not determined
Viscosity	100 x 10 ⁻⁶ m ² /s @ 40°C (ISO 3104/3106)
Solubility	Immiscible in water

9.2. Other information

Specific gravity	0.9 – 0.95 g/cm ³
VOC (Volatile organic compounds)	< 385g/l

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity Avoid sparks, flames, heat and sources of ignition.

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.

10.5 Incompatible materials Organic materials.

10.6 Hazardous decomposition products
Burning produces irritating, toxic and obnoxious fumes. Fire will produce dense black smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Skin corrosion/irritation	No observed effect level.
Serious eye damage/irritation	Burning feeling and temporary redness.
Respiratory/skin sensitisation	Inhalation is irritating to the respiratory tract and may cause damage to the central nervous system.
Germ cell mutagenicity	No mutagenic effects reported.
Carcinogenicity	No carcinogenic effects reported.
Reproductive toxicity	No teratogenic effects reported.
Aspiration hazard	Aspiration hazard H304 has been eliminated due to the kinematic viscosity of the product being above 20.5 mm ² /s @ 40°C.
Repeated/prolonged Exposure	Repeated or prolonged exposure may cause damage to liver, kidney and central nervous system.

11.1.4 Toxicological Information

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**

Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling **Daphnia EC50/48h: 20.0000 mg/l** **Rainbow trout LC50/96h: 10- 30mg/kg**

12.2 Persistence and degradability

Not readily biodegradable.

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.

Further information

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

SECTION 13: DISPOSAL CONSIDERATIONS

General Information Contact a licensed waste disposal company. 08 01 11* waste paint and varnish containing organic solvents or other dangerous substances. 17 03 02 bituminous mixtures other than those mentioned in 17 03 01.

Disposal of packaging After final product withdrawal, all residues must be removed from containers (drip-free, powder-free or paste-free) Contact a licensed waste disposal company. 15 01 10* packaging containing residues of or containing by dangerous substances.

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

UN 1999

14.2. UN proper shipping name

TARS, LIQUID (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
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14.5. Environmental Hazards

Environmental hazards	Yes
Marine pollutant	Yes
ADR/RID	
Hazard ID	30
Tunnel Category	(D/E)
IMDG	
EmS Code	F-E-S-E
IATA	
Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	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**

Regulations The European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Classification has been made in accordance with Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation)

SECTION 16: OTHER INFORMATION

Revision This document differs from previous in the following areas
 2 – Hazard pictograms.
 2 – Precautionary Statement: Prevention.
 2 – Precautionary Statement: Response.
 2 – Precautionary Statement: Storage.
 2 – Precautionary Statement: Disposal
 9-9.1. Information on basic physical and chemical properties (Initial boiling point)
 9-9.1 Information

Data sources Data extracted from individual component Safety Data Sheets.

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.

Product subcategory One-pack performance coatings – 500 g/l.

Maximum content of VOC 385 g/l

Disclaimer

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.