



MATERIAL SAFETY DATA SHEET

27th April, 2017

ROOFING COMPOUND

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

1.1 Product Identifier

Product/Material Name **BITUMEN ROOFING COMPOUND**

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

Product Use [SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC9a] Coatings and paints, thinners, paint removers; [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] Coating and paints, thinners, paint removers; [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: 01223 968282

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification – 67/548/EEC Xn; R48/20 N; R51/53 R10-66-67
Symbols: Xn: Dangerous for the environment.

Main hazards Flammable. Harmful: danger of serious damage to health by prolonged exposure through inhalation. 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 - 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**

Danger

Hazard statement

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: 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/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
 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.
 P312 – Call a POISON CENTRE or doctor if you feel unwell.
 P314 – Get medical advice/attention 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

Naptha (Petroleum) Hydrosulfurized 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
Oxidized Bitumen		64742-93-4		01-2119498270-36	30 - 40%	
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)		64742-88-7	919-446-0	01-2119458049-33	30 - 40%	Xn; R48/20-65 N; R51/53 R10-66-67
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
Oxidized Bitumen		64742-93-4		01-2119498270-36	30 - 40%	
Naphtha (Petroleum), Hydrosulfurized Heavy; Low Boiling (White spirit)		64742-88-7	919-446-0	01-2119458049-33	30 - 40%	EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
Phosphoric Acid (Orthophosphoric acid)		7664-38-2	231-633-2	01-2119485924-24	0 - 0.5%	Skin Corr. 1C: H314;

Furth information

White spirit=Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)

SECTION 4: FIRST AID MEASURES**4.1. Description of first-aid measures**

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air. Seek medical attention.
Eye contact	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.
Skin contact	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.
Ingestion	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

Inhalation	Vapours inhaled in strong concentration have a narcotic effect on the central nervous system. May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	Repeated exposure may cause skin dryness or cracking. May cause Irritation to skin.
Ingestion	Ingestion may cause nausea and vomiting
General Information	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. 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.

6.4. Reference to other sections

SECTION 13: Disposal considerations, SECTION 14: Transport information. SECTION 7: Handling and storage.

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

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 15 min limit mg/m3:
Phosphoric Acid (Orthophosphoric acid)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2

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 protection –
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	Viscous Liquid
Colour	Black
Odour	Characteristic
pH	Not applicable
Boiling Point	>153°C
Flash Point	>39°C
Upper Explosive Limit	8%
Lower Explosive Limit	0.7%
Vapour Density	Not determined
Auto ignition 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	0.95 – 1.1 g/cm ³
Gas group	Not determined
VOC (Volatile organic Compounds)	<370 g/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 Information on toxicological effects**

Skin corrosion/irritation	No observed effect level
Serious eye damage/ Irritation	Burning feeling and temporary redness
Respiratory or 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 data is available on this product
STOT-repeated exposure	Components(s) may cause damage to human organs based on animal data.
Repeated or prolonged Exposure	Harmful: danger of serious damage to health by prolonged exposure through inhalation. Repeated or prolonged exposure may cause dermatitis.

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 - 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.

Further information

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

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

General Information	Dispose of in compliance with all local and national regulations.
Disposal methods	Contact a licensed waste disposal company.
Disposal of packaging	After final product withdrawal, all residues must be removed from containers (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), Hydrosulfurized, Heavy; Low Boiling*)

14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
ISTA	3
Subsidiary	-

14.4. Packing Group

Packing Group	III
---------------	-----

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**

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 91/155/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 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 HEALTH AND SAFETY INFORMATION**Other Information****Revision**

This document differs from the previous version in the following areas:
 2-2.1.2 Classification – EC 1272/2008
 2-Hazard Pictograms
 2-Signal word
 2-Precautionary Statement: Prevention
 2-Precautionary Statement: Response
 2-Precautionary Statement: Storage
 2-Precautionary Statement: Disposal

Data sources

Data extracted from individual component Safety Data Sheet

Text of risk phrases in Section 3

R10 – Flammable
 R34 – Causes burns
 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

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

**Product subcategory
Maximum content of VOC**

One pack performance coatings – 500 g/l
 370 g/l

Further information

The information supplied in this Safety Data Sheet is designed only as a guidance for the safe use, storage and handling of this product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

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. For professional and industrial use only.

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.