

CREOCOTE – LIGHT/DARK

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

1.1 Product identifier

Product/Material:	CREOCOTE Light/Dark
Chemical Name:	-
SDS number	014
UN Number	3082

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

Use as a wood treatment

1.3 Details of the Suppliers of the safety data sheet

Supplier:	R. K. & J. Jones Ltd
Address:	Southery Road Feltwell, Thetford Norfolk, IP26 4EH
Emergency Telephone No (UK):	01842 828101
Fax number:	01842 828171
E-mail:	sales@birdbrand.co.uk

1.4 Emergency telephone number 01842 828101 (0900 to 1700hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

<i>Hazard class and category code(S)</i>	<i>Hazard statement code(s)</i>
Aspiration Toxicity, Category 1	H304
Skin Irritation, 2	H315
Acute Toxicity: Inhalation, Category 4	H332
Carc. Category 2	H351
STOT RE 2	H373
Aquatic Chronic, Category 2	H411

2.2 Label elements

Labelling according to regulation (EC) no. 1272/2008 [CLP/GHS]

Hazard Pictogram(s)



Signal Word

Danger

Hazard Statements

H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H332 Harmful if inhaled
H351 Suspected of causing cancer
H373 May cause damage to organs through prolonged or repeated exposure
H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention

P261 Avoid breathing fume/gas/mist/vapours/spray
P280 Wear protective gloves/eyes protection/face protection
P273 Avoid release to the environment

Response

P301 + P310+ P331 IF SWALLOWED: immediately call a POISON CENTRE or doctor/physician. DO NOT induce vomiting.
P308 + P313 If exposed or concerned: Get medical advice/attention
P391 Collect spillage

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

Disposal

P501 Dispose of contents/container to an approved waste disposal plant

2.3 Other hazards

Toxic fumes may be released in fire situations

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixture

UVCB

CLP

See Section 16. "Other Information" for full text hazard statement codes

Declarable Components	Conc. (% w/w)	EC No.	CAS No.	Index No.	Classification
Fuels, Diesel	35-50	269-822-7	68334-30-5		Asp.Tox1, H304 Skin Irrit. 2, H315 Acute Tox. 4, H332 Carc. 2, H351 STOT RE 2, H373 Aquatic Chronic, 2, H4111
Other components	Conc. (% w/w)	EC no.	CAS No.	Index No.	Classification
Bitumen	5-10	232-490-9	8052-42-4		not classified
Lubricating Oils, used	50-55	274-635-9	70514-12-4		not classified

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

4.1.1 First aid instructions

Inhalation:	Remove from exposure site to fresh air and keep at rest. If person is not breathing, call an emergency responder or ambulance and then give artificial respiration. Obtain medical advice.
Skin Contact:	Remove contaminated clothing and wash affected skin immediately with plenty of water. Seek medical attention if irritation, swelling or redness develops and persists.
Eye Contact:	Remove contact lenses if worn, and rinse open eyes for several minutes under running water. Obtain medical attention if symptoms persist.
Ingestion:	Rinse mouth with water and call a doctor immediately. Do not wait for symptoms to develop. Do not induce vomiting as there is a high risk of aspiration.

4.1.2 Further advice

- a) Immediate medical attention is required if CREOCOTE is ingested
- b) A safety shower and eye wash facilities should be located in the immediate work area.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation	Inhalation of vapours, mists, or fumes may cause headache, nausea, dizziness and may irritate the nose, mouth and respiratory tracts.
Skin Contact	Prolonged or repeated exposure may cause skin irritation and redness.
Eye Contact	A splash in the eyes may cause irritation, watering and redness.
Ingestion	May be fatal if swallowed and enters airways. Adverse symptoms may include nausea or vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to doctor Aspiration hazard if swallowed. Contact a poison treatment specialist immediately if large quantities have been ingested or inhaled.

Injections through the skin resulting from contact with the product at high pressure require immediate medical attention even in situations where the injury appears to be minor.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing Media: Fine water spray, dry powder, foam or carbon dioxide.

Unsuitable extinguishing media: Do not use a direct water jet on burning material.

5.2 Special hazards arising from the substance or mixture

Hazards from the mixture: In a fire or if heated, a pressure increase will occur and the container may burst producing combustible vapour which can form an explosive mixture with air. Vapours are heavier than air. CREOCOTE is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products: Gases including carbon and sulphur oxides may be evolved if CREOCOTE is involved in a fire or heated to decomposition.

5.3 Advice for fire-fighters

Special protective actions for fire-fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: A self-contained open circuit positive pressure compressed air breathing apparatus should be worn in combination with chemical protective clothing with liquid tight connections for whole body (Type3).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precaution, protective equipment and emergency procedures

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel away from the area of spillage. Suitable protective clothing must be worn to prevent any contamination of skin, eyes and personal clothing (see section 8 for details). Remove all ignition sources if safe to do so and ensure adequate ventilation is provided.

Follow site emergency procedures.

For emergency responders

Suitable protective clothing must be worn (See Section 8 for details). See also the information above “For non-emergency personnel”.

6.2 Environmental Precautions:

Prevent any spillages from entering drains, water courses or the soil. (See section 12 – Ecological information). Contact local water/waste treatment authorities as appropriate if significant environmental pollution occurs.

6.3 Methods and material for containment and cleaning up.

Small spills

Stop the leak or release by capping or other methods as appropriate. Absorb spilled product in sand, earth or other suitable absorbent material and collect in suitable container for recovery or safe disposal.

Large spills

Stop the leak or release by capping or other method as appropriate. Collect spillage in an appropriate receptacle or absorb in sand, earth or other absorbent material before collecting for recovery or safe disposal. Prevent entry into sewers, water courses, basements or confined areas. Wash contaminated surfaces with water and collect washings for safe disposal.

6.4 Reference to other sections

See section 8, Exposure Controls / Personal Protection and section 13, Disposal considerations for additional information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Protective Measures

This mixture should only be handled by trained personnel wearing suitable protective clothing. Do not ingest. Avoid breathing vapour or mist. Avoid contact with skin and eyes. Eliminate sources of ignition and always provide good ventilation. Avoid release to the environment.

Advice on general occupational Hygiene:

Do not eat, drink or smoke in work areas where mixture is handled, stored and processed. Wash hands thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Bulk quantities should be stored in properly designed and installed systems using carbon steel or stainless steel. Packaged quantities should be stored in original container protected from direct sunlight in a dry, cool and well ventilated area away from incompatible materials (see section 10) and food and drink. Unsuitable materials for containers include natural rubber, butyl rubber and polystyrene. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to

avoid environmental contamination.

7.3 Specific end use (s)

Wood treatment.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Derived effects levels

Product	Type	Exposure	Value	Population	Effects
Fuels, Diesel	DNEL	Long term Dermal	2.8mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	68 mg/m ³	Workers	Systemic
	DNEL	Long term Dermal	1.3mg/kg bw/day	Consumers	Systemic
	DNEL	Long term Inhalation	20mg /m ³	Consumers	Systemic
	DNEL	Long term Ingestion	7.5mg/kg bw/day	Consumer	Systemic

Predicted effects concentrations

No PNECS available

8.2 Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation. In high temperature processing use local exhaust ventilation or other engineering controls to prevent exposure to vapour.

Individual protection methods

Hygiene measures:

Wash hands, arms and face thoroughly after handling CREOCOTE before eating, smoking, using the lavatory and at the end of the working period. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection:

Tightly fitting goggles or safety glasses with side shields.

Skin protection

Hand Protection:

Wear impervious chemical resistant gloves (nitrile rubber) with 1-4 hours (breakthrough time).

Body Protection:

Wear chemical resistant protective suit.

Other skin protection:

Wear chemical resistant boots and safety helmets.

Respiratory Protection: For enclosed or confined spaces where respiratory protection may be needed use equipment with Type A filter to protect against organic vapours.

Environmental Exposure controls: All necessary precautions must be taken to avoid release into the environment. Emissions should be checked to ensure they comply with the requirements of environmental protection legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Brown Liquid
Odour:	Gas oil
Odour threshold:	Not determined
pH:	Not determined
Pour Point	<-6°C
Boiling Point/Boiling Range:	150 - 350°C
Flash Point:	> 90°C (cc)
Evaporation rate:	Not determined
Flammability (solid, gas)	Not determined
Upper explosion limit	ca. 6.5% (V)
Lower explosion limit	ca. 0.5% (V)
Vapour Pressure:	<0.04 kPa (20°C)
Vapour density	>1
Relative Density:	0.80 to 1.00
Solubility :	Insoluble in water Miscible with petroleum solvents
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	>250°C
Decomposition temperature	Not determined
Viscosity	2-28mm ² /s (40°C)
Explosive properties	Not determined
Oxidising properties	Not applicable

9.2 Other Information

No additional information.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No specific test data related to reactivity available for this mixture.
10.2 Chemical Stability:	Mixture is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3 Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions are known.
10.4 Conditions to Avoid:	Avoid all possible sources of ignition.

10.5 Incompatible materials:	May react violently with strong oxidising materials.
10.6 Hazardous Decomposition Products:	Thermal decomposition and incomplete combustion in a fire gives rise to a mixture of gases including carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Fuels diesel LC ₅₀ Inhalation (rat) 4.1 mg/l LD ₅₀ Dermal (rabbit) > 4300 mg/kg LD ₅₀ Oral (rat) 7600 mg/kg
Irritation/corrosion	Repeated exposure may cause skin irritation and redness
Sensitisation	No sensitising effect is known
Repeated dose toxicity	No further information is known
Carcinogenicity	Suspected of causing cancer.
Mutagenicity	Based on available data is not considered mutagenic
Toxicity for reproduction	Based on available data is not considered toxic for reproduction
Specific target organ toxicity (single exposure)	Category 2 - May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Fuels, diesel - ASPIRATION HAZARD - Category 1
Potential acute health effects	
Inhalation:	Harmful if inhaled. Vapours may cause irritation, headache, nausea, and dizziness.
Skin Contact:	Causes skin Irritation.
Eye Contact:	May cause irritation and watering of the eyes.
Ingestion:	Irritating to mouth, throat and stomach. May be fatal if swallowed and enters airways.
Potential chronic health hazards	
Chronic effects	May cause damaged to organs through prolonged or repeated exposure.
Carcinogenicity	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	No known significant effects or critical hazards

Teratogenicity	No known significant effects or critical hazards
Developmental effects	No known significant effects or critical hazards
Fertility effects	No known significant effects of critical hazards
Other information	Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Fuels, diesel	48hr EC ₅₀ (daphnia magna) 68 mg/l 72hr EC ₅₀ (algae) 22 mg/l 48hr acute NOELR (daphnia magna) 46 mg/l 72hr acute NOELR (algae) 10 mg/l
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Conclusion/Summary Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability The product is considered to be not readily biodegradable

12.3 Bio accumulative potential Not determined.

12.4 Mobility in soil Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and PvB assessment

PBT No.
vPvB No.

12.6 Other adverse effects: Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product – Methods of disposal	The generation of waste should be avoided or minimised wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Product – Hazardous waste	Waste material is classified as hazardous waste and should be disposed of by incineration or collected by a licensed waste disposal contractor operating within the Hazardous Wastes Regulations 2005 in the UK or local equivalent regulations in other countries.
Packaging – Methods of disposal	Empty packaging may contain product or residues and due consideration should be given to any such contaminated packaging prior to disposal (incineration, recycling, land filling etc.).

SECTION 14: TRANSPORT INFORMATION

This product is classified as dangerous for transport

Modal classification (CDG, IMDG, ADR, RID, ICAO/IATA)

14.1 UN Number: UN 3082
14.2 UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, - LIQUID, N.O.S. (contains diesel fuel)
14.3 Transport hazard class(es) 9



14.4 Packing Group: III
14.5 Environmental hazards: Environmentally hazardous - Marine pollutant
14.6 Special precautions for user: Not available

Additional information

Emergency Action Code: 3Z
Hazard Identification Number: 90
Classification code: M6
Transport Category: 3
Tunnel restriction code: E
EmS: F-A, S-F

SECTION 15: REGULATORY INFORMATION

This product is classified as dangerous for supply.

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

European Inventory of Existing Commercial Substances (EINECS). The components of this product are on the EINECS Inventory or are exempt from inventory requirements.

15.2 Chemical Safety Assessment: A Chemical Safety Assessment has been carried out for the components of this mixture.

SECTION 16: OTHER INFORMATION

Details of revision: All sections to comply with Regulation (EC) No. 1272/2008 (CLP)

Issue number: 12 (CLP format) Issue date: 1st March 2014
Replaces issue: 11 Issue date: 1st June 2015

Abbreviation and acronyms used

DNEL	Derived No Effect Level
GHS	Globally Harmonised System
STOT-RE	Specific target organ toxicity - Repeated exposure
PBT	Persistent, Bio-accumulative and toxic
UVCB	Complex hydrocarbon substance
vPvB	Very persistent and very bioaccumulative

Data sources

- EH40 as published
- The **Chemical (Hazard Information and Packaging for supply)** regulations 2009 SI 2009/716 (**CHIP 4**)
- The **Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulation** 2009 SI 2009/1348 (**CDG 2009**)
- The **Carriage of Dangerous Goods and Use of Transportable Pressure Equipment (Amendment) Regulations** 2011 SI2011/1885 (**CDG 2011**)
- **Dangerous Goods Emergency Action Code List** 2013
- **Hazardous Waste (England and Wales) Regulations** 2005 SI2005/894 (**HWR**)
- The **List of Wastes (England) Regulations** 2005/895 (**LoWR**)
- The **Approved Classification and Labelling Guide** (sixth edition)
- “**Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)**” 1907/2006/EC
- The **Classification, Labelling and Packaging Regulation (EC) No. 1272/2008 (CLP)** and *subsequent ATPs*
- *ADR 2013 – European Agreement Concerning the International Carriage of Dangerous goods by Road*

Hazard statements:	H304	May be fatal if swallowed and enters airways.
	H315	Causes skin irritation.
	H332	Harmful if inhaled.
	H351	Suspected of causing cancer.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H411	Toxic to aquatic life with long lasting effects.

R K & J Jones Ltd has used all reasonable care and attention in completing this safety data sheet and the information is accurate to the best of the Company's knowledge and belief. This advice is given by the Company who accept no legal liability for except otherwise provided by law. The information contained herein is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.