Bird Brand

MATERIAL SAFETY DATA SHEET

Revised 3rd September 2015

TRADITIONAL CREOSOTE

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

1.1 Product Identifier

Product name	Creosote
Chemical name	-
SDS number	001
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 supplier of the safety data sheet

R.K.& J.Jones Ltd
Southery Road,
Feltwell,
Norfolk,
IP26 4EH.

Tel: 01842 828101 email: sales@birdbrand.co.uk
Fax: 01842 828171 web site: www.birdbrand.co.uk

Competent person: Mr Richard Jones email: r.jones@birdbrand.co.uk

1.4 Emergency telephone number

(0900 to 1700 hours): (01842) 828101

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance/mixture

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

Hazard class and category code(s)	Hazard statement code(s)
Skin irritation, Category 2	H315
Eye Irritation, Category 2	H319
Skin Sens.Category 1	H317
Carc.Category 1B	H350

Repro.Category 3	H361fd
Aquatic Chronic,Category 2	H411

Classification according to Directives 67/548/EEC or 1999/45/EC (CHIP)

Category of Danger and Symbol Letter(s)		Risk Phrases
Carc.Cat.1		R45
Repro.Cat.3		R62, R63
Irritant	Xi	R36/38/R43
Dangerous for environment	N	R51/53

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard Pictogram(s)

Signal Word	Danger
Hazard Statements	H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H350 May cause cancer H361 Suspected of damaging fertility/unborn child H411 Toxic to aquatic life with long lasting effects.
Precautionary Statements Prevention	P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response	P305 + P351 + P338 **IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302 + P352 **IF ON SKIN**: Wash with plenty of soap and water
Storage	P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Disposal	P273 Avoid release to the environment

Labelling according to Directives 67/548/EEC or 1999/45/EC (CHIP)

Symbol (s)

Risk Phrases	R43	May cause sensitisation by skin contact
	R45	May cause cancer

R62 Possible risk of impaired fertility
R63 Possible risk of harm to the unborn child
R36/38 Irritating to eyes and skin
R51/53 Toxic to organic organisms, may cause long term adverse effects in the aquatic environment.

2.3 Other hazards

Toxic fumes may be released in fire situations

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

CLP

See section 16. "Other information" for full text of Hazard statement codes.

Declarable components	Conc. (% w/w)	EC No.	CAS No.	Index No.	Classification
Creosote oil	100	232-287-5	8001-58/9	648/101/00-4	Skin irrit.2,H315 Skin Sens.1,H317 Eye Irrit.2,H319 Carc.1B, H350 Repro.2,H361 Aquatic Chronic 2, H411

CHIP

See section 16. "Other information" for full text of the R Phrases

Declarable components	Conc. (% w/w)	EC No.	CAS No.	Index No.	Classification
Creosote oil	100	232-287-5	8001-58-9	648-101-00-4	Carc.Cat.1 R45 Repro.Cat.3 R62 R63 Xi: R36/38 N: R51/53 R43

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 preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues. If person is not breathing, call an emergency responder or ambulance and then give artificial respiration.

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 occur after washing.

Ingestion Do not induce vomiting. Rinse mouth with water and get medical attention.

4.1.2 ***Further advice***

a) Personal protective equipment for first aid responders is recommended
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 causes irritation of nose, throat and airway.

Skin contact Adverse symptoms may include irritation and redness

Eye contact May cause redness and transient pain.

Ingestion Can cause nausea and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to doctor No recommendation given.

SECTION 5 : FIRE FIGHTING MEASURES

5.1 ***Extinguishing Media***

Suitable extinguishing media- Fine water spray, dry powder, foam or carbon dioxide.

Unsuitable extinguishing media -Water jet. 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. This material 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 - A complex mixture of toxic fumes including carbon monoxide and carbon dioxide may be evolved if product 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 (Type 3)

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1 ***Personal Precautions, 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)

6.2 ***Environmental precautions -*** Prevent any spillage from entering drains or water courses (see section 12 – Ecological information) Contact local and 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 method 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. 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. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.

Store away from oxidising materials.

7.3 ***Specific end use(s)*** See the technical data sheet for this product for further information.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 ***Control parameters***

Occupational exposure limits

Workplace exposure limits (WEL)

Hazardous components(s)	8hr TWA	STEL
None listed		

In the absence of national or local regulations the following controls are recommended:
8hr TWA 5mg/m³ for CREOSOTE mist or fumes.

8.2 ***Exposure controls***

Appropriate engineering controls: Provide adequate ventilation to ensure vapour concentration is kept below above WEL. If ventilation is inadequate use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below above WEL.

Individual protection methods; Wash hands, arms and face thoroughly after handling CREOSOTE, 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 (PVA) with 1-4 hours (breakthrough time)

Body protection: Wear chemical resistant protective suit

Other skin protection: Wear chemical resistant boots and safety helmet.

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:	Strong aromatic
Odour threshold:	Not determined
pH	Not determined
Melting point/freezing point:	<23°C
Boiling point/boiling range:	>200°C
Flash point:	>100°C (cc)
Evaporation rate:	Not determined
Flammability (solid,gas)	Not determined
Upper/lower flammability/	
Explosive limits:	Not determined
Vapour pressure:	Not determined
Vapour density:	Not determined
Relative density:	1.07 – 1.15 @ 20°C
Solubility (ies):	Insoluble in cold water. Miscible with most organic solvents.
Partition coefficient:n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	No
Oxidising properties:	No

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, hazardous reactions will occur.

10.4 ***Conditions to avoid:*** Avoid heat and all 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 complex mixture of gases carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 ***Information on toxicological effects*:**

Acute toxicity	Kerosine	LC_{50} Inhalation 4 hrs (mouse) >0.40 mg/l LD_{50} Dermal (mouse) >2000 mg/kg LD_{50} Oral (mouse) >533mg/kg
Irritation/corrosion		Irritating to eyes and skin
Sensitisation		May cause sensitisation by skin contact
Repeated dose toxicity		No further information is known
Carcinogenicity		Known or suspected carcinogen for humans
Mutagenicity		No further information is known
Toxicity for reproduction		Possible risk of impaired fertility and of harm to the unborn child.
Specific target organ toxicity (single exposure)		No specific target organs noted
Aspiration hazard		The classification criteria are not met.

Potential acute health effects

Inhalation	May cause headache, nausea, vomiting and an altered state of consciousness.
Skin contact	Causes skin irritation. May cause sensitisation.
Eye contact	Causes eye irritation
Ingestion	May cause stomach pain or vomiting.

Potential chronic health hazards

Chronic effects	No known significant effects or critical hazards
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	Possible risk of harm to the unborn child
Fertility effects	Possible risk of impaired fertility
Other information	Not available

SECTION 12: ECOLOGICAL INFORMATION

12.1	***Toxicity***	96hr LC_{50} (fish) 2.4 mg/l 48hr EC_{50} (daphnia magna) 2.16 mg/l
	Conclusion/ Summary	Toxic to aquatic organisms.
12.2	***Persistence and Degradability***	The mixture is not considered to be readily biodegradable.
12.3	***Bioaccumulative Potential***	Unlikely to be significant
12.4	***Mobility in soil***	The product shows low mobility with absorption being the dominant physical process.
12.5	***Results of PBT and vPvB assessment***	Not classified as **PBT/vPvB** by current EU criteria.

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.

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 waste regulations 2005 in the UK or local equivalent regulations in other countries.

Packaging

Methods of Disposal – Empty packaging may contain product residues and due consideration should be given to any such contaminated packaging prior to disposal (incineration, recycling, land-filling etc)

SECTION 14: TRANSPORT INFORMATION

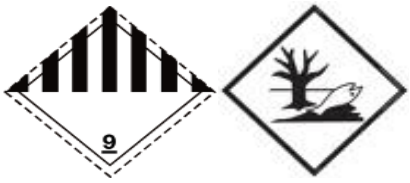
This product is classified as dangerous for transport.

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

14.1 ***UN Number*** UN 3082

14.2 ***UN Proper Shipping Name*** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (creosote)

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

15.2 ***Chemical Safety Assessment*** This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: OTHER HEALTH AND SAFETY INFORMATION

Details of revision

Issue number: 6 (CLP format) Issue date: 14th May 2013
Replaces issue number:4 (CHIP format) Issue date: 8th May 2012

Abbreviations and acronyms used

GHS	Globally Harmonised System
8hr-TWA	Long term exposure limit
STEL	Short term exposure limit
PBT	Persistent, bio-accumulative and toxic
vPvB	Very persistent and very bio-accumulative

Data sources

- EH40 as published
- The **C**hemical **(H**azard **I**nformation and Packaging for Supply) Regulations 2009 SI 2009/716 **(CHIP** 4**)**
- The **C**arriage of **D**angerous **Goods** and Use of Transportable Pressure Equipment Regulations 2009 SI 2009/1348 (CDG 2009)
- The **C**arriage of **D**angerous **G**oods and Use of Transportable Pressure Equipment (Amendment) Regulations 2011 SI 2011/1885 **(CDG** 2011**)**
- Dangerous Goods Emergency Action Code List 2011
- **H**azardous **W**aste (England and Wales**) R**egulations 2005 SI 2005/894 (HWR**)**
- The **L**ist **o**f Wastes (England) Regulations 2005 SI 2005/**895 (LoWR)**
- The Approved Classification and Labelling Guide (sixth edition)
- **"R**egistration**, E**valuation**, A**uthorisation and **R**estriction of **C**hemicals **(REACH)** 1907/2006/EC
- The **C**lassification**, L**abelling and **P**ackaging Regulation (EC) No. 1272/2008 **(CLP)**

Procedure used to derive the classification

Classification	Justification
Skin Irrit.2, H315	Regulatory data
Eye Irrit. 2, H319	Regulatory data
Skin Sens. 1, H317	Regulatory data
Carc.1, H350	Calculation method
Repro.2, H361	Calculation method
Aquatic Chronic 2,H411	Regulatory data

Hazard statements:

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H350 May cause cancer
H361 Suspected of damaging fertility or the unborn child
H411 Toxic to aquatic life with long lasting effects

Risk Phrases:

R36/38 Irritating to eyes and skin
R43 May cause sensitisation by skin contact
R45 May cause cancer
R62 Possible risk of impaired fertility
R63 Possible risk of harm to the unborn child
R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic Environment.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection
P305 +P351 + P338
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, If present and easy to do. Continue rinsing.
P302 + P352 - Wash with plenty of soap and water
P403 + P233 - Store in a well-ventilated space. Keep container tightly closed
P273 Avoid release to the environment.

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 it except otherwise provided by the 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.

R36/37/38	Irritating to eyes, respiratory system and skin
R21/22	Harmful: in contact with skin and if swallowed
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

References:

- EH40/2006 *Workplace Exposure Limits*
- *The Chemical (Hazard Information and Packaging for Supply) Regulations* 2002
- *The Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations* 2005
- *The Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations* 2008
- *The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations* 2007
- *Dangerous Goods Emergency Action Code List* 2007
- *"The Safety Data Sheets Directive"* 91/155/EEC
- *"The Dangerous Substances Directive"* 92/32/EEC
- *"The Dangerous Preparations Directive"* 99/45/EC
- *"Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)* 1907/2006/EC

Details of revision Update of sections 1, 2, 3, 8, 11, 12, 14, 15 and 16
New REACH order of headings adopted

Issue No. 4 **Issue date:** 18^{7h} February 2010
Replaces Issue no. 3 **dated** 20th March 2005

The information contained herein is based on known available data believed to be reliable but does not constitute the users own assessment of workplace risk as required by other health and safety legislation.

References - HSE Guidance note EH40/99 Occupational Exposure Limits 1999. The Chemical (Hazard Information and Packaging for Supply) Regulations 1994 and subsequent amendments. The Carriage of Dangerous Goods by Road Regulations 1996 and subsequent amendment.

The information contained herein is based on known available data believed to be reliable but does not constitute the users own assessment of workplace risk as required by other health and safety legislation.