



SAFETY DATA SHEET DARK CREOSOTE

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

1.1. Product identifier

Product name DARK CREOSOTE
Product No. CREDGEN

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

Identified uses Timber treatment.
Uses advised against Any use other than those identified.

1.3. Details of the supplier of the safety data sheet

Supplier Barrettine
 Barrettine Works
 St Ivel Way
 Warmley
 Bristol
 BS30 8TY
 Tel: 0117 960 0060
 Fax: 0117 935 2437
 sales@barrettine.co.uk

1.4. Emergency telephone number

0870 190 6777

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

| | |
|-------------------------------|---|
| Physical and Chemical Hazards | Not classified. |
| Human health | Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317; Carc. 1B - H350; Repr. 2 - H361fd; STOT SE 3 - H336; Asp. Tox. 1 - H304 |
| Environment | Aquatic Chronic 2 - H411 |

Classification (1999/45/EEC)

Carc. Cat. 1; R45. Xn; R65. Repr. Cat. 3; R62, R63. Xi; R36/38. R43. N; R51/53.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

Contains a substance which has been shown to cause cancer in laboratory animals.

Environment

The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

2.2. Label elements

Contains Kerosine (Petroleum)
 Naphthalene

Label in accordance with (EC) No. 1272/2008

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| | | |
|--|--|---|
| Signal Word | Danger | |
| Hazard Statements | H304 H315 H317 H319 H336 H350 H361fd H411 | May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. May cause cancer. Suspected of damaging fertility or the unborn child. Toxic to aquatic life with long lasting effects. |
| Precautionary Statements | P280 P273 P302+352 P301+310+331 P501 | Wear protective clothing, gloves, eye and face protection. Avoid release to the environment. IF ON SKIN: Wash with plenty of soap and water. IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician. Do NOT induce vomiting. Dispose of contents/container in accordance with local regulations. |
| Supplementary Precautionary Statements | P305+351+338 P403+233 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store in a well-ventilated place. Keep container tightly closed. |
| Supplemental label information | RCH002 | Restricted to professional users. |

2.3. Other hazards

For outdoor use only.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

| | |
|--|--|
| KEROSINE (PETROLEUM) | 30-60% |
| CAS-No.: 8008-20-6 EC No.: 232-366-4 Registration Number: 01-2119485517-27-XXXX | |
| Classification (EC 1272/2008) Skin Irrit. 2 - H315 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411 | Classification (67/548/EEC) Xn;R65. Xi;R38. N;R51/53. |
| biphenyl | <12% |
| CAS-No.: 92-52-4 EC No.: 202-163-5 Registration Number: 01-2119480408-33-XXXX | |
| Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | Classification (67/548/EEC) Xi;R36/37/38 N;R50/53 |

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| | | |
|---|---|--|
| NAPHTHALENE | | <5% |
| CAS-No.: 91-20-3 | EC No.: 202-049-5 | Registration Number: 01-2119561346-37-XXXX |
| Classification (EC 1272/2008) Flam. Sol. 2 - H228 Acute Tox. 4 - H302 Carc. 2 - H351 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | Classification (67/548/EEC) Carc. Cat. 3;R40 Xn;R22 N;R50/53 | |

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information

Remove affected person from source of exposure.

Inhalation

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! DO NOT induce vomiting. Get medical attention immediately.

Skin contact

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and running water. Take especial care to clean folds, crevices, creases and groin.

Get medical attention if irritation persists or develops.

Launder clothing and clean shoes thoroughly before reuse.

Eye contact

Check for contact lenses which must be removed from the eyes before rinsing.

Promptly rinse eyes with plenty of clean water while lifting the eyelids.

Continue to rinse for at least 15 minutes. Continue until the eyes are free of all traces of contamination.

Get medical attention if any discomfort or irritation persists.

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

General information

If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder, sand, dolomite or other inert material.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

Decomposition and degradation depends on the combustion, thermal or oxidative conditions to which this material is exposed. This can lead to the evolution of a complex mixture of airborne solids and particles as well as gases and liquids, including carbon monoxide, carbon dioxide and other toxic substances.

5.3. Advice for firefighters

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Special Fire Fighting Procedures

Cool containers exposed to flames with water until well after the fire is out. Move container from fire area if it can be done without risk.

Protective equipment for fire-fighters

Wear self-contained breathing apparatus and full protective clothing. Keep all unnecessary people away. Fire water run-off must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ventilate to dispel any residual vapour. Clean-up personnel should use respiratory protection, gloves, goggles and protective clothing and footwear (see section 8).

6.2. Environmental precautions

Do not allow spilt material to enter drains or water courses. Cover all drains and sewers. Avoid spreading spilled material. Contain spillages with sand, earth or suitable inert absorbent material. Prevent further spillage if safe to do so. In the event of contamination of watercourses or sewers advise the Environment Agency, fire brigade and police.

6.3. Methods and material for containment and cleaning up

Ventilate well. Extinguish all ignition sources. Avoid sparks, flames, heat. No smoking. Keep flammable materials away from spillage. Clean-up personnel should use respirator and liquid contact protection.

Absorb in vermiculite, dry sand or earth and place into containers. Wash well after dealing with spillage. Inform authorities if large amounts are involved.

Rinse site with copious amounts of water, which should not be allowed into drains, sewers or water courses.

6.4. Reference to other sections

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Use only in well ventilated areas. Avoid spilling, skin and eye contact. Do not breathe vapours or fumes. Keep away from heat and sources of ignition such as sparks or flames. Take precautions against static discharge. Wash thoroughly after handling. Wear full protective clothing for prolonged exposure and/or high concentrations.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

| Name | STD | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|-------------|-----|-------------|-----------------------|---------------|----------------------|-------|
| NAPHTHALENE | WEL | 10 ppm | 53 mg/m ³ | 15 ppm | 80 mg/m ³ | |
| PHENOL | WEL | 2 ppm | 7,8 mg/m ³ | 4 ppm | 16 mg/m ³ | Sk |

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

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PHENOL (CAS: 108-95-2)

| | | | | |
|------------------------|-------------|------------------|------------------|------------------------|
| DNEL | | | | |
| Industry | Inhalation. | Systemic Effects | 8 | mg/m ³ |
| Industry | Dermal | Short Term | Local Effects | 16 mg/m ³ |
| Consumer | Inhalation. | Long Term | Systemic Effects | 1.23 mg/m ³ |
| Consumer | Dermal | Long Term | Systemic Effects | 0.4 mg/kg/day |
| Consumer | Oral | Long Term | Systemic Effects | 0.4 mg/kg/day |
| PNEC | | | | |
| Freshwater | 7.7 | µg/l | | |
| Marinewater | 0.77 | µg/l | | |
| Intermittent release | 31 | µg/l | | |
| STP | 2.1 | mg/l | | |
| Sediment (Freshwater) | 0.0915 | mg/kg | | |
| Sediment (Marinewater) | 0.00915 | mg/kg | | |
| Soil | 0.136 | mg/kg | | |

biphenyl (CAS: 92-52-4)

| | | | | |
|------------------------|-------------|-----------|------------------|-------------------------|
| DNEL | | | | |
| Industry | Inhalation. | Long Term | Systemic Effects | 11.17 mg/m ³ |
| Industry | Dermal | Long Term | Systemic Effects | 3.17 mg/kg/day |
| Consumer | Inhalation. | Long Term | Systemic Effects | 3.3 mg/m ³ |
| Consumer | Dermal | Long Term | Systemic Effects | 1.9 mg/kg/day |
| Consumer | Oral | Long Term | Systemic Effects | 1.9 mg/kg/day |
| PNEC | | | | |
| Freshwater | 17 | µg/l | | |
| Marinewater | 1.7 | µg/l | | |
| Intermittent release | 0.17 | mg/l | | |
| STP | 3.2 | mg/l | | |
| Sediment (Freshwater) | 3.23 | mg/kg | | |
| Sediment (Marinewater) | 0.323 | mg/kg | | |
| Soil | 0.635 | mg/kg | | |

NAPHTHALENE (CAS: 91-20-3)

| | | | | |
|------------------------|-------------|-----------|------------------|----------------------|
| DNEL | | | | |
| Industry | Inhalation. | Long Term | Systemic Effects | 25 mg/m ³ |
| Industry | Inhalation. | Long Term | Local Effects | 25 mg/m ³ |
| Industry | Dermal | Long Term | Systemic Effects | 3.57 mg/kg/day |
| PNEC | | | | |
| Freshwater | 2.4 | µg/l | | |
| Marinewater | 2.4 | µg/l | | |
| Intermittent release | 20 | µg/l | | |
| STP | 2.9 | µg/l | | |
| Sediment (Freshwater) | 0.0672 | mg/kg | | |
| Sediment (Marinewater) | 0.0672 | mg/kg | | |
| Soil | 0.0533 | mg/kg | | |

KEROSINE (PETROLEUM) (CAS: 8008-20-6)

| | | | | |
|----------|------|-----------|------------------|--------------|
| DNEL | | | | |
| Industry | Oral | Long Term | Systemic Effects | 19 mg/kg/day |

8.2. Exposure controls

Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient suitable respiratory protection must be provided.

Seek advice and recommendations of the manufacturer or supplier of equipment

Hand protection

Wear suitable protective gloves conforming to EN 374. Seek recommendations from manufacturer or supplier. After using gloves the hands should be washed and dried thoroughly and a suitable moisturiser applied.

Eye protection

Wear tightly fitting safety goggles conforming to EN 166.

Other Protection

Minimise all forms of skin contact. Overalls and footwear with oil and chemical resistant soles should be worn. Launder overalls and undergarments regularly.

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9.1. Information on basic physical and chemical properties

| | |
|--|--|
| Appearance | Liquid |
| Colour | Brown. |
| Odour | Strong. Aromatic. |
| Solubility | Immiscible with water Miscible with: Aromatic solvents |
| Initial boiling point and boiling range (°C) | 180-310°C |
| Relative density | 1.0-1.10 |
| Flash point (°C) | >60°C CC (Closed cup). |

9.2. Other information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

10.2. Chemical stability

Stable under normal conditions of storage and use. See section 7.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation
None known.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid
Strong oxidising substances.

10.6. Hazardous decomposition products

Decomposition and degradation depends on the combustion, thermal or oxidative conditions to which this material is exposed. This can lead to the evolution of a complex mixture of airborne solids and particles as well as gases and liquids, including carbon monoxide, carbon dioxide and other toxic substances.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No data is available for this preparation. Classified according to the calculation procedure of the EC Dangerous Preparations Directive using known data and information about the individual components

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

Aspiration hazard if swallowed; harmful if liquid is aspirated into the lungs, may even prove fatal. Accidental swallowing of small quantities is unlikely to cause harm but larger amounts may cause nausea and diarrhoea.

Skin contact

May be absorbed through the skin. Liquid may irritate skin. Risk of sensitisation or allergic reactions among sensitive individuals.

Eye contact

Irritating to eyes.

Health Warnings

Known or suspected carcinogen for humans.

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Route of entry
Inhalation.
Skin absorption.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute Fish Toxicity

No data is available for this preparation. Classified according to the calculation procedure of the EC Dangerous Preparations Directive using known data and information about the individual components

12.2. Persistence and degradability

Degradability

The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential

Measured experimental data are not meaningful on substances of unknown or variable composition, complex reaction products and biological materials (UVCBs).

12.4. Mobility in soil

Mobility:

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product is insoluble in water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not dispose to landfill or watercourses. Empty unlaundered containers must be treated in the same manner as when full; labels should not be removed.

13.1. Waste treatment methods

Product is classified as hazardous waste. Disposal of waste material and empty containers must be by means of a licensed waste contractor.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

| | |
|----------------------|------|
| UN No. (ADR/RID/ADN) | 3082 |
| UN No. (IMDG) | 3082 |
| UN No. (ICAO) | 3082 |

14.2. UN proper shipping name

| | |
|----------------------|---|
| Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (creosote and kerosene) |
|----------------------|---|

14.3. Transport hazard class(es)

| | |
|---------------------|---|
| ADR/RID/ADN Class | 9 |
| ADR/RID/ADN Class | Class 9: Miscellaneous dangerous substances and articles. |
| ADR Label No. | 9 |
| IMDG Class | 9 |
| ICAO Class/Division | 9 |

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Transport Labels



14.4. Packing group

| | |
|---------------------------|-----|
| ADR/RID/ADN Packing group | III |
| IMDG Packing group | III |
| ICAO Packing group | III |

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant



14.6. Special precautions for user

| | |
|-------------------------|----------|
| EMS | F-A, S-F |
| Emergency Action Code | •3Z |
| Hazard No. (ADR) | 90 |
| Tunnel Restriction Code | (E) |

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 SI No 716. (CHIP4).

Control of Substances Hazardous to Health Regulations (as amended). (COSHH)

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007. (CDG 2009)

Management of Health & Safety at Work Regulations 1999.

Guidance Notes

COSHH essentials. 'Easy steps to control chemicals.' Only available on HSE's website and regularly updated at <http://www.hse.gov.uk/pubns/guidance/index.htm>

Introduction to Local Exhaust Ventilation HS(G)37.

The storage of flammable liquids in containers HSG51 (HSE 1998).

EU Legislation

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, including amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

ADR (L'Accord européen relative au transport international des marchandises dangereuses par route.)

15.2. Chemical Safety Assessment

DARK CREOSOTE

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Training Advice

Before using this product safety instructions have to be given.

Revision Comments

Comprehensive revision.

| | |
|-----------------|----------------------|
| Revision Date | 26-MAR-13 |
| Revision | 03 replaces 02:01075 |
| Supersedes date | 30-JAN-12 |

Risk Phrases In Full

| | |
|-----------|--|
| R22 | Harmful if swallowed. |
| R65 | Harmful: may cause lung damage if swallowed. |
| R36/38 | Irritating to eyes and skin. |
| R36/37/38 | Irritating to eyes, respiratory system and skin. |
| R38 | Irritating to skin. |
| R40 | Limited evidence of a carcinogenic effect. |
| R45 | May cause cancer. |
| R43 | May cause sensitisation by skin contact. |
| R63 | Possible risk of harm to the unborn child. |
| R62 | Possible risk of impaired fertility. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R50/53 | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

Hazard Statements In Full

| | |
|--------|---|
| H319 | Causes serious eye irritation. |
| H315 | Causes skin irritation. |
| H228 | Flammable solid. |
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H317 | May cause an allergic skin reaction. |
| H350 | May cause cancer. |
| H336 | May cause drowsiness or dizziness. |
| H335 | May cause respiratory irritation. |
| H351 | Suspected of causing cancer by inhalation. |
| H361fd | Suspected of damaging fertility or the unborn child. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H400 | Very toxic to aquatic life. |

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 particular use.