



# PRODUCT SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

**Product Name:** CREOSOTE SUBSTITUTE (DARK & LIGHT)

**Applications:** Exterior Wood preservative

**Supplier:** Palace Chemicals Ltd; Speke Hall Industrial Estate; Speke; Liverpool; L24 4AB  
Tel: 0151 486 6101; Fax 0151 448 1982  
e-mail: [sales@palacechemicals.co.uk](mailto:sales@palacechemicals.co.uk); web: [www.palacechemicals.co.uk](http://www.palacechemicals.co.uk)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS:

**Ingredients:** Complex mixture of Hydrocarbon oils with an added active surface biocide.

<b>Hazardous components:</b>	HYDROCARBON OIL – (CAS No. 68814-87-9)	20-40% w/w
	AROMATIC HYDROCARBON OIL MIXTURE (CAS No. 64742-94-5)	60-80% w/w
	DI-ALKYL DIMETHYL AMMONIUM CHLORIDE	0.48% w/w

## 3. HAZARDS IDENTIFICATION:

**Classification:** HARMFUL; DANGEROUS FOR THE ENVIRONMENT (Xn; N)

**Risk Phrases:** Harmful in contact with skin & if swallowed  
May cause lung damage if swallowed;  
Harmful to aquatic organisms; May cause long-term adverse effects in the aquatic environment.  
Irritating to eyes & skin

## 4. FIRST AID MEASURES:

**Inhalation:** Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention.

**Skin contact:** Wash off skin with warm soapy water. Remove contaminated clothing and launder regularly. Prolonged and unattended contact should be avoided. Where irritation to skin is apparent seek medical attention.

**Ingestion:** Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet

**Eye contact:** Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.

## 5. FIRE FIGHTING MEASURES:

**Extinguishers:** Dry powder; Foam, CO<sub>2</sub> – Do not use water jets.

**Combustion products:** Hazardous decomposition when subject to combustion – will produce oxides of carbon and noxious, irritating fumes.

**Special procedures:** Use approved self-contained breathing apparatus. Only use a fine water spray to cool down heat affected containers – not burning product.

## 6. ACCIDENTAL RELEASE MEASURES:

- Personal protection:** Ventilate area and eliminate all sources of ignition. Wear personal protective equipment recommended in section 8.
- Environmental protection:** Do not allow spill to enter drains or watercourses. Form a dam with sand, earth or a boom. Absorb, bund and scrape spillages onto sand, sawdust or absorbent granules. Respiratory protection may be required for major spills in confined areas.
- Spill removal methods:** Confine residues in a clearly marked sealed containers for disposal in accordance with Local Authority regulations for combustible marine pollutants – special waste management controls.

## 7. HANDLING & STORAGE:

- Handling precautions:** Ensure adequate ventilation and use all recommended personal protective equipment
- Storage precautions:** Store in tightly-sealed, clearly marked containers. Keep out of reach of children in a cool well-ventilated environment.
- Usage precautions:** Wear all protective equipment identified below

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

- Exposure limits:** N/D for this mixture
- Process controls:** Provide adequate containment and local exhaust ventilation
- Personal protection:** **Respiratory:** Good ventilation is always required however in confined spaces use an organic vapour filtered half-face mask or an air purifying filter type EN 14 or EN 405  
**Hand:** Wear 17" long elbow length latex rubber (chlorinated) or nitrile gloves approved to EN 374 & EN 420 with a BTT rating of > 4 hrs.  
**Eye:** BS 2092 Goggles should be worn for all applications to help prevent accidental face/eye contact.  
**Skin:** A disposable PVC apron should be worn on top of overalls, however if the fabric becomes contaminated these should be laundered immediately.

## 9. PHYSICAL & CHEMICAL PROPERTIES:

<b>Appearance:</b>	Free flowing Liquid	<b>Vapour pressure:</b>	N / D
<b>Colour:</b>	Dark Brown	<b>Evaporation rate:</b>	N / D
<b>Density / SG:</b>	0.91 – 0.97 kg/M3	<b>Odour:</b>	Characteristic
<b>Solubility:</b>	Oils only	<b>Boiling point:</b>	90% between 160 & 350°C
<b>Flash point:</b>	70°C	<b>Viscosity:</b>	13 – 22 secs (Ford Cup)
<b>Auto ignition Temp:</b>	500°C	<b>Oxidising properties:</b>	N / D

## 10. STABILITY & REACTIVITY:

- Conditions to avoid:** No special provisions required
- Materials to avoid:** Oxidising agents
- Decomposition products:** Acrid black smoke and oxides of carbon.

## 11. TOXICOLOGICAL INFORMATION:

<b>Routes of exposure:</b>	Inhalation, skin contact and ingestion.	<b>Corrosivity / Irritation:</b>	n/a
<b>Acute short term effects:</b>	Skin redness and eyes watering.	<b>Sensitisation:</b>	With prolonged contact
<b>Chronic long term effects</b>	irritation and sensitisation	<b>Mutagenicity:</b>	n/a
<b>Toxic dose -LD 50:</b>	n/d	<b>Carcinogenicity:</b>	n/a
<b>Prolonged exposure effects:</b>	headaches and Depression of the CNS	<b>Reproductive toxicity:</b>	n/a

## 12. ECOLOGICAL INFORMATION:

<b>Ecotoxicity:</b>	Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment
<b>Bio-accumulative potential:</b>	n/d
<b>Persistence &amp; degradability:</b>	Only sparingly degradable in intended application environment, but is ultimately biodegraded



## 13. DISPOSAL CONSIDERATION:

<b>Disposal Methods:</b>	Services of a specialist waste contractor approved to local authority regulations will be required.
<b>Special requirements:</b>	Unused product and freshly contaminated application materials must be disposed of in accordance with local authority regulations for materials dangerous for the environment.
<b>Regulatory controls:</b>	Special waste provisions apply to the disposal of this product

## 14. TRANSPORT INFORMATION:

<b>Proper shipping name:</b>	WOOD PRESERVATIVE	<b>Flash point:</b>	> 66°C
<b>ADR Class No.:</b>	3	<b>IMDG Class:</b>	3
<b>UN No.:</b>	1306	<b>IMDG Pack group:</b>	III
<b>ADR Packing Group:</b>	III	<b>Marine pollutant:</b>	YES
<b>Hazchem Code:</b>	none		

## 15. REGULATORY INFORMATION:

<b>Classification:</b>	HARMFUL; in contact with skin & if swallowed DANGEROUS FOR THE ENVIRONMENT		
<b>Risk phrases:</b>	R21/22, R36/38, R51, R53		
<b>Safety phrases:</b>	S2, S16, S24, S25, S37, S60, S62, S67		
<b>UK Regulatory references:</b>	Control of Pesticides Regulations 1986 – HSE 7834 Approved for professional / industrial use only Revised to comply with 2002 CHIP 3 regulations		

## 16. OTHER INFORMATION:

<b>Last revision date:</b>	29-03-06
<b>SDS No.:</b>	054CS
<b>Data sources:</b>	Suppliers MSDS (OTS) & EH40
<b>Disclaimer:</b>	The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.