



SAFETY DATA SHEET

Creocote - Light or Dark

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Creocote - Light or Dark

PRODUCT NO. CRCOD04, CRCOLO4, CRCOD25, CRCOL025

APPLICATION For use as an outdoor wood preservative on external timbers.

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2 HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect.

Irritating to eyes, respiratory system and skin.

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

Harmful: may cause lung damage if swallowed.

CLASSIFICATION Xn;R65. Carc 3;R40. Xi;R36/37/38. N;R51/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DIPHENYL	202-163-5	92-52-4	<12%	Xi;R36/37/38 N;R50/53
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	<5%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
3a,4,7,7a-TETRAHYDRO-4,7-METHANOINDENE	201-052-9	77-73-6	<5%	F;R11 Xn;R20/22 Xi;R36/37/38 N;R51/53
SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.; KEROSENE - UNSPECIFIED	265-198-5	64742-94-5	<40%	Xn;R65
NAPHTHALENE	202-049-5	91-20-3	<5%	Carc. Cat. 3;R40 Xn;R22 N;R50/53
condensates (petroleum), vacuum tower	265-049-4	64741-49-7	60-100%	Xn;R65. N;R51/53. R66.
bitumen	232-490-9	8052-42-4	<10%	-

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

Remove affected person from source of contamination.

INHALATION

If unconscious or breathing is irregular place on their side in the recovery position and ensure their airways are clear. Artificial respiration may be administered by suitably qualified first-aiders if the patient is unconscious or breathing is difficult.

Get immediate medical attention.

INGESTION

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

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SKIN CONTACT

Remove victim from source of contamination and immediately drench affected areas with water.
Remove contaminated clothing and shoes. Wash skin thoroughly with running water. Take especial care to clean folds, crevices, creases and groin.
Get prompt medical attention.
Launder clothing and clean shoes thoroughly before re-use.

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 immediate medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide, dry powder, sand, dolomite or other inert material. Do not use high pressure water jet as this may spread burning material.

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. Contaminated fire water must not be allowed to contaminate ground or enter drains, sewers or water courses. Provide bunding against fire water run-off.

UNUSUAL FIRE & EXPLOSION HAZARDS

Vapours are heavier than air and may travel considerable distance to source of ignition and flash back.

SPECIFIC HAZARDS

In fire conditions this product may evolve gaseous oxides of carbon and nitrogen as well as giving off intense heat. Burning material gives off dense smoke and fumes which may contain other toxic and harmful gases.

PROTECTIVE MEASURES IN FIRE

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.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Clean-up personnel should use respiratory protection, gloves, goggles and protective clothing and footwear. (see section 8) Keep unnecessary people at a safe distance.

SPILL CLEAN UP METHODS

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.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Use only in well ventilated areas. Keep away from sources of ignition. Avoid breathing vapours.
This material is combustible and can form explosive mixtures with air.
Take precautions against static discharge.

STORAGE PRECAUTIONS

Keep away from all possible sources of ignition.
Store in closed containers in segregated, cool, dry, ventilated storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
3a,4,7,7a-TETRAHYDRO-4,7-METHANOINDEN E	WEL	5 ppm	27 mg/m3		
DIPHENYL	OES	0.2 ppm	1.3 mg/m3	0.6 ppm	3.8 mg/m3
NAPHTHALENE	WEL	10 ppm	53 mg/m3	15 ppm	80 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

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RESPIRATORY EQUIPMENT

If ventilation is insufficient suitable respiratory protection must be provided.
Seek recommendations and advice from equipment manufacturer or supplier.

HAND PROTECTION

Wear suitable protective gloves. 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.

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Brown liquid		
ODOUR	Aromatic.		
SOLUBILITY	Insoluble in water Miscible with most organic solvents.		
BOILING POINT (°C)	180 - 400	RELATIVE DENSITY	0.85 - 0.98 20
EVAPORATION RATE	Volatile	FLASH POINT (°C)	65
AUTO IGNITION TEMPERATURE (°C)	500		

10 STABILITY AND REACTIVITY

STABILITY

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

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

HAZARDOUS POLYMERISATION

None known.

MATERIALS TO AVOID

Natural rubber.

HAZARDOUS DECOMPOSITION PRODUCTS

Products of decomposition include Carbon dioxide (CO₂). Carbon monoxide (CO).

11 TOXICOLOGICAL INFORMATION

INHALATION

Harmful by inhalation. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapour may irritate respiratory system or lungs.

INGESTION

Harmful if swallowed. Harmful: possible risk of irreversible effects if swallowed. Ingestion of this product as supplied may cause stomach discomfort, nausea or vomiting.

SKIN CONTACT

Product has a defatting effect on skin. Repeated or prolonged contact may lead to dermatitis.

EYE CONTACT

Irritating to eyes.

HEALTH WARNINGS

Swallowing concentrated chemical may cause severe internal injury.

Other Health Effects

Toxic to Reproductive Health Categ. 1. Toxic to Reproductive Health Categ. 3. Carcinogen Category 3.

ROUTE OF ENTRY

Inhalation. Ingestion.

MEDICAL SYMPTOMS

Upper respiratory irritation. Nausea, vomiting. Allergic rash.

MEDICAL CONSIDERATIONS

Skin disorders and allergies.

12 ECOLOGICAL INFORMATION

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ECOTOXICITY

Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

This material should not be allowed into drains, sewers or other water courses. Harmful to animals and plants in the wet state but once dry (48 hrs) product is not considered unsafe. Splashes on leaves of plants will cause burns but long term systemic damage is unlikely.

May be toxic to bats and bees.

MOBILITY

The product is immiscible with water and will spread on the water surface. Contamination will evaporate from the surface of water and soils.

DEGRADABILITY

The product is not readily biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Product is hazardous waste. Do not allow into drains, sewers or water courses.

Disposal must be by means of a licensed waste contractor. Empty containers may contain residual flammable vapours and product residue. Keep away from sparks, heat and sources of ignition. Labels should not be removed.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Absorb in vermiculite or dry sand, dispose in licensed hazardous waste.

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (condensates (petroleum), vacuum tower, DIPHENYL)		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	HAZARD No. (ADR)	90
ADR LABEL NO.	9	HAZCHEM CODE	3Z
CEFIC TEC(R) NO.	90GM6-III	RID CLASS NO.	9
RID PACK GROUP	III	MARINE POLLUTANT	No.

15 REGULATORY INFORMATION

LABELLING



Harmful



Dangerous for the environment

CONTAINS

condensates (petroleum), vacuum tower

SOLVENT NAPHTHA (PETROLEUM), HEAVY AROM.; KEROSENE - UNSPECIFIED
NAPHTHALENE

RISK PHRASES

R40	Limited evidence of a carcinogenic effect.
R36/37/38	Irritating to eyes, respiratory system and skin.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

SAFETY PHRASES

S2	Keep out of the reach of children
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S13	Keep away from food, drink and animal feeding stuffs.
S24/25	Avoid contact with skin and eyes.
S36/37	Wear suitable protective clothing and gloves.
S46	If swallowed, seek medical advice immediately and show this container or label.
S29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.

EU DIRECTIVES

EC Regulation 1907/2006 (as amended) : 'REACH'.

Dangerous Substances Directive 67/548/EEC.

Dangerous Preparations Directive 1999/45/EC.

Chemical Agents Directive 98/24/EC.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 No. 1689. (CHIP3)

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

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

Management of Health & Safety at Work Regulations 1999.

APPROVED CODE OF PRACTICE

Control of substances hazardous to health - Approved Code of Practice and Guidance L5 (2005) HSE Books.

GUIDANCE NOTES

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

Introduction to Local Exhaust Ventilation HS(G)37.

Workplace Exposure Limits EH40/2007

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

16 OTHER INFORMATION

REVISION COMMENTS

First Issue.

Comprehensive revision.

Revised to EU REACH 2008 format.

REVISION DATE 16-Jan-09 - Rev 00

REV. NO./REPL. SDS 00

GENERATED

RISK PHRASES IN FULL

NC	Not classified.
R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R20/22	Harmful by inhalation and if swallowed.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.

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.