



Ref: 054CC – CREO-COAT #2

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

- 1.1 Product Name:** **CREO-COAT (Light & Dark)**
- 1.2 Applications:** Exterior Wood protective coating
- 1.3 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; web: www.palacechemicals.co.uk
- 1.4 Emergency Telephone No.** Tel: 0151 486 6101 – Mon-Fri: 0800 - 1800

2. HAZARDS IDENTIFICATION:

2.1 Classification: (EC 1272/2008) **Aspiration Toxicity, Category 1 (H304); Skin Irrit. 2 (H315); Acute Toxicity: Inhalation, Category 4 (H332); Carc. Category 2 (H351); STOT RE 2 (H373); Aquatic Chronic, Category 2 (H411)**

Signal Word: **DANGER**

Precautionary phrases:
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



- 2.2 Label elements:**
 P101 - If medical advice is needed, have product container or label at hand.
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P102 - Keep out of reach of children.
 P103 - Read label before use.
 P301 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor. Do NOT induce vomiting.
 P302/352 - IF ON SKIN: Wash with plenty of soap and water.
 P304/340 - IF INHALED: Remove victim to fresh air and keep in a position comfortable for breathing.
 P260 - Do not breathe vapours.
 P262 - Do not get in eyes, on skin, or on clothing.
- 2.3 Other hazards:**
 P233 Keep container tightly closed.
 P260 Do not breathe gas, fumes or vapour
 P240 Ground/bond container and receiving equipment..
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303/361/353 IF ON SKIN Remove immediately all contaminated clothing. Rinse skin with water/shower.
 P301 + P310 + P331 IF SWALLOWED: Immediately call a doctor/physician. DO NOT induce vomiting.
 P308 + P313 If exposed or concerned: Get medical advice/attention
 P391 Collect spillage + P403/235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION / INFORMATION ON INGREDIENTS:

3.1 Substances: Not Applicable

3.2 Mixtures: See section 16 for full text of R-Phrases – CLP classifications shown below:

| Name: | CAS / EC No.: | EC No. | Concentration: | Classification: |
|------------------|---------------|-----------|----------------|---|
| Fuels, Diesel | 68334-30-5 | 269-822-7 | 35-50% w/w | Asp.Tox.1, H304 ; Skin Irrit. 2, H315 Acute Tox. 4, H332; Carc. 2, H351 STOT RE 2, H373; Aquatic Chronic, 2, H411 |
| Bitumen | 8052-42-4 | 274-635-9 | 5 – 10 % w/w | Not Classified |
| Lubricating Oils | 70514-12-4 | 232-490-9 | 50 – 55% w/w | Not Classified |



4. FIRST AID MEASURES:

4.1 Description of measures:

- 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.
- 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

4.2 Acute & Chronic symptoms:

- Inhalation:** Inhalation of vapours may cause headache & nausea.
- Skin Contact:** Skin Contact may cause redness if unattended.
- Eye Contact:** Eye contact may cause redness and transient pain.
- Ingestion:** Ingestion may be fatal if swallowed and enters airways.

- 4.3 Immediate medical attention:** If Creo-Coat is ingested obtain immediate medical attention. Aspiration hazard if swallowed. Contact a poison treatment specialist immediately if large quantities have been ingested or inhaled

5. FIRE FIGHTING MEASURES:

- 5.1 Extinguishing media:** Dry powder; Foam, CO₂ – Do not use water jets.
- 5.2 Combustion Hazards:** Hazardous decomposition when subject to combustion – will produce noxious, irritating fumes including carbon and sulphurous oxides and H₂S may be evolved if product is involved in a fire or heated to decomposition.
- 5.3 Advice for fire-fighters:** Use approved self-contained breathing apparatus. Only use a fine water spray to cool down heat affected containers – not burning product. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal protection:** Ventilate area and eliminate all sources of ignition. Wear personal protective equipment recommended in section 8.
- 6.2 Environmental precautions:** 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.
- 6.3 Spill removal methods:** Confine residues in clearly marked sealed containers for disposal in accordance with Local Authority regulations for flammable products – subject to special waste management controls.
- 6.4 References to other sections:** Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. For waste disposal, see section 13.

7. HANDLING & STORAGE:

- 7.1 Safe handling precautions:** **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. Wear full protective clothing for prolonged exposure and/or high concentrations. Contaminated clothing and shoes must be discarded. Contaminated rags and cloths must be put in fireproof containers for disposal. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
- 7.2 (a) Safe storage conditions:** Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. 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.

7.2 (b) Incompatible materials: Keep away from oxidisers, heat and flames. May attack some plastics, rubber and coatings.

7.3 Specific end uses: The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

8.1 Control parameters

| Substance: | 8 hour exposure limit | 15 minute exposure limit | Source. Type |
|-------------------|-----------------------|--------------------------|--------------|
| Bitumen | 5mg / M3 | 10 mg / M3 | |
| Hydrogen sulphide | 5 ppm | 10 ppm | Airborne |

Diesel Oil:

DNEL's - (Derived No effect levels) for workers:

| Exposure pattern: | Route | DNEL | Dose descriptor |
|---------------------------|------------|-----------------|--------------------|
| Acute systemic effects - | Dermal | 2.8mg/kg bw/day | Workers systemic |
| Acute systemic effects - | Inhalation | 68 mg/M3 | Workers systemic |
| Acute Local effects - | Dermal | 1.3mg/kg bw/day | Consumers systemic |
| Acute Local effects - | Inhalation | 20 mg/M3 | Consumers systemic |
| Long term local effects - | Ingestion | 7.5mg/kg bw/day | Consumers systemic |

PNEC's - Predicted No effect concentration (Environment): None available

| Compartment: | PNEC | Dose Descriptor |
|--------------------|------|-----------------|
| Fresh water - | | |
| Sewage treatment - | | |

8.2 Exposure controls:

Engineering 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.

Respiratory protections: No specific recommendation is made, but appropriately specified respiratory protection must be used if the general level exceeds the recommended occupational exposure limit or if working within a confined space (Not appropriate to the use of an exterior wood treatment!)

Hand protection: Protective gloves must be used. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Use protective gloves made of nitrile.

Eye protection: BS 2092 approved safety Goggles should be worn for all applications to help prevent accidental face/eye contact.

Skin protection: Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.



9. PHYSICAL & CHEMICAL PROPERTIES:

| | |
|---|--|
| Appearance: Brown Liquid | Relative density: 0.80 – 1.00 @ 20°C |
| Odour: Strong Aromatic | Water solubility: Insoluble |
| Odour threshold: N/D | Solubility in oils: Miscible |
| pH: N/D | Partition coefficient (Kow): N/D |
| Flash point: >90°C | Auto-ignition temperature: 250°C |
| Melting point: < -6°C | Decomposition temperature: n/d |
| Boiling point: 150 – 350 °C | Evaporation rate: n/d |
| Evaporation rate: N/D | Viscosity: 2 – 28 mm ² /s (@ 40°C) |
| Upper/Lower Flam limits: 6.5 – 0.5 % (v) | Explosive properties: n/d |
| Vapour pressure: 0.04 KpA @ 20°C | Oxidising properties: n/a |
| Vapour density: >1.0 | Particle size: n/a |



10. STABILITY & REACTIVITY:

| | | | |
|-------------------------------------|--|---|--|
| 10.1 Conditions to avoid: | Heat evaporates flammable vapours | 10.4 Reactivity: | No data to show significant reactivity |
| 10.2 Incompatible Materials: | Oxidising agents | 10.5 Chemical reactivity: | As above |
| 10.3 Decomposition hazards: | Carbon & sulphurous oxides & fine particulates | 10.6 Risk of hazardous reaction: | As above |

11. TOXICOLOGICAL INFORMATION:

11.1 Information on toxicological effects: This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its' major components.

Acute Toxicity: (Diesel)

LD₅₀ Oral (rat) 7600 mg/kg; LC₅₀ Inhalation (rat) 4.1 mg/l; LD₅₀ Dermal (rabbit) >4300 mg/kg

| | | | |
|-------------------------------|--------------------------|--|--|
| Routes of exposure: | Inhalation & ingestion | Skin Corrosivity / Irritation: | Irritating to skin |
| Eye damage/irritation: | May cause redness & pain | Respiratory/skin sensitisation: | No sensitising action |
| Reproductive toxicity: | None known | Germ cell Mutagenicity: | Not applicable |
| STOT single exposure: | None known | Carcinogenicity: | May cause cancer |
| STOT repeat exposure: | None known | Aspiration hazard: | Category 1 ASPIRATION HAZARD |

12. ECOLOGICAL INFORMATION:

| | | | |
|---|---|----------------------------------|-------------------------------------|
| 12.1 Ecotoxicity: Very toxic to aquatic organisms | Kerosene 96hr LC ₅₀ (fish) 1 - 20mg/l 96hr EC ₅₀ (fish) 1 - 20 mg/l 21days LOAEL (daphnia) 0.48 - 1.2 mg/l | 12.4 Mobility in soil: | Low mobility |
| 12.2 Bio-accumulative potential: | Slight | 12.5 PBT and vPvB result: | No |
| 12.3 Persistence & degradability: | Not readily biodegradable | 12.6 Other effects: | May impair oxygen transfer in water |

13. DISPOSAL CONSIDERATIONS:

- 13.1 Waste treatment Methods:**
- 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.)

14. TRANSPORT INFORMATION:

Transport Labels:



Regulatory Code (Land, Sea & Air):

14.1 UN No.:

14.2 Proper shipping name:

14.3 ADR Packing Group:

14.4 Transport Hazard Class:

14.5 Environmental hazards:

14.6 Special user precautions:

14.7 Transport Category:

14.8 Emergency Action Code

14.9 Hazard Identification Number

ADR

3082

Environmentally Hazardous
substance Liquid N.O.S
(Kerosene, Petroleum)

III

9

Marine Pollutant

N/A

3

3Z

90

IMDG

3082

Environmentally Hazardous
substance Liquid N.O.S
(Kerosene, Petroleum)

III

9

Marine Pollutant

N/A

3

3Z

90

ICAO

Environmentally Hazardous
substance Liquid N.O.S
(Kerosene, Petroleum)

15. REGULATORY INFORMATION:

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

All components are listed as existing substances in Europe

UK Regulatory References:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations. Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

Statutory Instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Approved Code Of Practice Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes:

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation:

Dangerous Substance Directive 67/548/EEC.

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.

National Regulations:

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product.

Authorisations (Title VII Regulation 1907/2006) - No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006) - No specific restrictions of use are noted for this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

16. OTHER INFORMATION:

Last revision date: 8th February 2015

SDS No.: 054CC

List of abbreviations used in this SDS:

CAS Chemical abstracts service

CLP Classification, labelling & packaging regulation (EC) No. 1272/2008

DSD Dangerous substances Directive 67/548/EEC

DPD Dangerous Products Directive 1999/45/EC

PBT Persistent, Bio-accumulative & Toxic

REACH Registration, Evaluation, Authorisation & Restriction of Chemicals Regulation (EC) 1907/2006

vPvB Very Persistent, very Bio-accumulative



References: 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 Regulations 2009 SI 2009/1348 (**CDG 2009**)
Dangerous Goods Emergency Action Code List 2011
Hazardous Waste (England and Wales) Regulations 2005 SI 2005/894 (**HWR**)
The List of Wastes (England) Regulations 2005 SI 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**)

Classification & methods:

| | | |
|------------------------|-------------------------|-----------------------|
| Classification: | Asp. Tox. 1, H304 | Expert judgement |
| | Skin Irrit. 2, H315 | Expert judgement |
| | Acute Tox. 4, H332 | On basis of test data |
| | Carc. 2, H351 | Expert judgement |
| | STOT RE 2, H373 | Expert judgement |
| | Aquatic Chronic 2, H411 | Expert judgement |

H Phrases in section 3:

| | |
|------|---|
| 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 |

Training for workers:

Disclaimer: 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.