

Ref: 109: Paraffin - C1 Smokeless Kerosene

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

Product Name: PARAFFIN – C1 SMOKELESS KEROSENE / PREMIUM BURNING LAMP OIL

Applications: Smokeless fuel oil for lamps, stoves and heaters

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

2. HAZARDS IDENTIFICATION:

Classifications: Physical Flam. Liq. 3 - H226
 (EC) No. 1272/2008 Health Skin Irrit. 2 - H315; Asp. Tox. 1 - H304
 Environmental Aquatic Chronic 2 - H411

Key Word: DANGER

Hazard statements: H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary phrases: P102 Keep out of reach of children.
 P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P260e Do not breath vapours.
 P262 Do not get in eyes, on skin, or on clothing.
 P302/352 IF ON SKIN: Wash with plenty of soap and water.
 P331 Do NOT induce vomiting.
 P101 If medical advice is needed, have product container or label at hand.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P264 Wash hands & skin thoroughly after handling.
 P273 Avoid release to the environment.
 P303/361/353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P332/313 If skin irritation occurs: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.
 P403/235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.



3. COMPOSITION / INFORMATION ON INGREDIENTS:

3.1 Substances:

3.2 Mixtures: Distillates referred to commonly as "Premium Kerosene" and classed as petroleum hydro-treated light kerosene unspecified but mainly in the C9-C16 range.
 Benzene @ less than 0.1% w/w

Name:	CAS No.:	EINECS No.	Concentration:	Classification:
Kerosene (BS 2089C1)	91770-15-9	294-799-5	100%	Flam. Liq. 3 - H226; Skin Irrit. 2 - H315 Asp. Tox. 1 - H304; Aquatic Chronic 2 - H411

Hazardous components: Premium Kerosene

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, CO₂ – Do not use water jets.
- Combustion products:** Hazardous decomposition when subject to combustion – will produce 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.
- 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.

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 preferably within a lockable metal cabinet.
- Usage precautions:** Use electrostatic earthing when pumping or pouring large volumes of flammable liquid. Isolate all nearby sources of ignition (pilot lights etc.)

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

- Exposure limits:** 600mg/M³ for 8hr TWA or 1000 mg/M³ for 15 min TWA for Hydrocarbon components
- 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.
- 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:

Appearance: Clear Pale yellow Liquid Colour: Transparent Density / SG: 0.79 – 0.81 g/cm3 Solubility: Oils only Flash point: 40°C Auto ignition Temp: 230°C	Vapour pressure: < 0.2kPa Evaporation rate: 0.11 (n-But Ac = 1) Viscosity: 1.5 mm2/s Boiling point: 140°C - > 300°C Flammability limits: 1.0% - 6.0% vol in air Oxidising properties: n/a
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10. STABILITY & REACTIVITY:

Conditions to avoid: Sources of ignition, exposing container to direct sunlight and elevated temperatures
Materials to avoid: Oxidising agents
Decomposition products: Acrid black smoke and oxides of carbon.

11. TOXICOLOGICAL INFORMATION:

Routes of exposure: Inhalation, skin contact and ingestion. Acute short term effects: Skin redness and eyes watering. Chronic long term effects: irritation and sensitisation leading to dermatitis Toxic dose -LD 50: LD50 > 2000mg/kg when rat ingested Prolonged exposure effects: headaches and Depression of the CNS	Corrosivity / Irritation: n/a Sensitisation: With prolonged contact Mutagenicity: n/a Carcinogenicity: n/a Reproductive toxicity: n/a
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12. ECOLOGICAL INFORMATION:

Ecotoxicity: Studies have shown a very low order of toxicity with this type of material.
 LC50 (96hr) - Fish >1,000 ppm
 EC50 (24hr) - Daphnia >250 ppm
 IC50 (72hr) - Algae
Bio-accumulative potential: Negligible due to high volatility resulting in rapid evaporation to air.
Persistence & degradability: Inherently biodegradable - Will be removed within a waste-water treatment facility

13. DISPOSAL CONSIDERATION:

Disposal Methods: Application equipment such as brushes and cloths will retain a flammability risk until they are either laundered or allowed to dry completely.
Special requirements: Unused product and freshly contaminated application materials must be considered flammable and disposed of in accordance with local authority regulations for flammable liquids / paints.
Regulatory controls: Special waste provisions apply to the disposal of this product

14. TRANSPORT INFORMATION:

Transport Labels:



Regulatory Code (Land, Sea & Air):	ADR	IMDG	ICAO
14.1 UN No.:	1223	1223	1223
14.2 Proper shipping name:	Kerosene	Kerosene	Kerosene
14.3 ADR Packing Group:	III	III	III
14.4 Transport Hazard Class:	3	3	3
14.5 Environmental hazards:	Marine pollutant	Marine pollutant	Marine pollutant
14.6 Special user precautions:	Emergency Action Code 3Y	EMS F-E, S-E	HAZCHEM CODE 3YE
14.7 Transport in bulk – IBC code:	HAZARD No. (ADR) 33	Tunnel Restriction Code (D/E)	

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. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

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.

16. OTHER INFORMATION:

Last revision date: 24-04-15

SDS No.: 109

Data sources: Volume VII Approved supply list; EH40; Croner; Bulk supplier data sheets

Hazard Statements In Full: H315 Causes skin irritation.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

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.