

**murco petroleum limited****MATERIAL SAFETY DATA SHEET****REGULAR BURNING OIL  
LOW SULPHUR REGULAR BURNING OIL****BS 2869: CLASS C2  
BS 2869: CLASS C2****1 IDENTIFICATION OF THE SUBSTANCE & OF THE COMPANY /  
UNDERTAKING****IDENTIFICATION OF THE SUBSTANCE OR PREPARATION:**

These products are kerosine type fuels. Regular Burning Oils are used in domestic burners and industrial and agricultural space heaters.

Contains: kerosine

Regular Burning Oils

CAS No. 64742-81-0

EINECS No. 265-184-9

**COMPANY IDENTIFICATION:**      **Murco Petroleum Limited**  
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**AL1 3RH**

**EMERGENCY TELEPHONE NO: 0870 190 6777****2 COMPOSITION / INFORMATION ON INGREDIENTS:**

Complex mixtures of straight run distillates consisting of hydrocarbons mainly in the C<sub>9</sub>-C<sub>16</sub> range. Burning Oil contains 2 ppm Coumarin, and 6 ppm Solvent Yellow 124, Customs and Excise markers. Benzene (CAS No. 71-43-2) may be present in trace amounts, but will always be less than 0.1% marker level in the Dangerous Substances Directive. These additives do not contribute any additional hazard.

Murco kerosines are **not** classified as carcinogenic under the Dangerous Substances Directive 67/548/EEC, or the UK "CHIP" regulations

**3 HAZARDS IDENTIFICATION**

Regular Burning Oil is classified as flammable. Kerosines are classified as harmful due to the aspiration hazard. Prolonged and repeated skin contact can lead to irritation and dermatitis.

**4 FIRST AID MEASURES**

**TYPE OF EXPOSURE**

**Ingestion**

The swallowing of small amounts is unlikely to have adverse effects; larger amounts may cause irritation with diarrhoea and vomiting.

**Skin**

Unlikely to cause irritation on single contact. Prolonged or repeated contact may cause short-term irritation, de-fatting of the skin and could result in dermatitis.

**Eyes**

May cause short-term irritation with redness and stinging.

**Inhalation**

Fumes or vapour may cause irritation to eyes and mucous membranes, and drowsiness leading to loss of consciousness.

**FIRST AID MEASURES**

**Ingestion**

Wash mouth out with water and give water to drink. If a large amount has been swallowed get medical advice; **DO NOT INDUCE VOMITING BECAUSE OF THE DANGER OF ASPIRATION.**

**Skin**

Wash skin as soon as possible with soap and water. Change contaminated clothing immediately and launder before reuse. Get medical advice if irritation persists.

**Eyes**

Wash out immediately with large amounts of water. If redness and/or irritation continues get medical advice.

**Inhalation**

If inhalation of vapour causes irritation or drowsiness remove to fresh air. Get medical advice if the symptoms continue.

**5 FIRE-FIGHTING MEASURES**

Extinguish with Dry Powder, water mists (fogs) or Foam. For small fires use CO<sub>2</sub>

Do not use water jets.

Fires in closed or confined spaces should be tackled by trained personnel who should wear breathing apparatus.

**6 ACCIDENTAL RELEASE MEASURES**

Treat any spillage as a fire hazard. Spray, vapour or mist can be a potential fire or explosion hazard.

May cause damage to surfaces making them SLIPPERY.

Contain spillage - do not wash spillage down drain. Absorb using absorbent clay, diatomaceous clay or other suitable absorbent.

**7 HANDLING AND STORAGE****7.1 Handling**

Kerosines designed to be used in closed systems. Where exposure is likely PROTECTIVE CLOTHING should be worn including impervious GLOVES and EYE PROTECTION. Ensure good ventilation.

**7.2 Storage**

Store in tanks and containers designed to contain flammable liquids and ensure storage area is not close to heat and ignition sources.

Drums should be stored on their sides on racks preferably under cover, out of direct sunlight, in well ventilated conditions.

Other types of containers should be stored under cover out of direct sunlight, in well ventilated conditions. Care should be taken to avoid over-stacking.

**8 EXPOSURE CONTROL / PERSONAL PROTECTION**

Where prolonged or repeated exposure is likely PROTECTIVE CLOTHING should be worn including impervious GLOVES and EYE PROTECTION.

**Respiratory protection** - Unlikely to be required in normal use but ensure good ventilation. It is suggested that exposure is kept below the level for Oil Mist quoted in the current HSE Guidance Note EH 40

**Long term exposure limit** - (8 hour TWA reference period) 5 milligrams per cubic metre.

**Short term exposure limit** - (15 minute reference period) - 10 milligrams per cubic metre.

**Hand and skin protection** - Hand and skin protection recommended at all times. Where exposure is likely protective clothing must be worn, including nitrile gloves approved to BS EN 374 with a breakthrough time of >360 minutes.

**Eye protection** - Eye protection approved to BS EN 166 is recommended at all times

**9 PHYSICAL AND CHEMICAL PROPERTIES****Typical properties:**

Appearance	Clear pale-yellow fluid
Odour	Characteristic
pH	Not applicable
Boiling Range °C	140 – 300
Flash Point (Abel) °C	38 min.
Flammability Limits % vol	1 - 6
Auto ignition temperature °C	approx. 240
Explosive properties	Not applicable
Oxidising properties	Not applicable
Reid Vapour Pressure at 20 °C, kPa	<0.1
Density at 15°C	0.78 - 0.82
Solubility - water	Very low
- fat	Not available
Partition coefficient - Log Pow	3 - > 6 for components
Viscosity cSt @ 40°C	1 - 2
Vapour density (relative to air)	> 5
Evaporation rate (n butyl acetate = 1)	0.01
Benzene content % m/m	<0.1

**10 STABILITY AND REACTIVITY**

**Conditions to Avoid** - heat (classified Flammable)

**Materials to Avoid** - may react with strong oxidising materials.

**Hazardous Decomposition Products** - thermal decomposition may lead to the formation of a multiplicity of compounds some of which may be hazardous. With incomplete combustion smoke and hazardous fumes and gases, including carbon monoxide may be formed.

**11 TOXICOLOGICAL INFORMATION**

Toxicity following a single exposure to high levels of kerosines (oral, dermal, inhalation) is of a very low order. Prolonged and repeated contact with kerosines may cause drying of the skin and possibly dermatitis. Prolonged inhalation of mists may cause inflammation of the lungs. Aspiration is considered to be a hazard.

**12 ECOLOGICAL INFORMATION**

Toxic to aquatic life, with aquatic toxicity data for Fish, Daphnia and Algae in the range 1 – 100 mg/l, but unlikely to persist for sufficient time to pose a significant hazard; however films formed on water may affect oxygen transfer and damage organisms. Expected to biodegrade slowly, but may not meet the criteria for ready biodegradability. Components have Log Kow in the range 3.3 to greater than 6.

**13 DISPOSAL CONSIDERATIONS**

Disposal should be carried out as stipulated in any Local Authority Regulations. Under no circumstances should kerosines be discharged into the public drainage system, or marine and inland waterways.

**14 TRANSPORT INFORMATION****TRANSPORT CLASSIFICATION**

Flammable liquid: Diamond Symbol  
UN Number (Substance Identification Number): 1223  
HAZCHEM Code: 3/Y

UN: Flammable liquid, Class 3 (III)  
UN Packing Group: III IMO Hazard Class: 3.3 ADR/RID Hazard Class: 3. (F1)  
IATA: Flammable liquid Class 3, Packing Group III.

**15 REGULATORY INFORMATION****LABELLING**

Symbol:	Black St. Andrew's cross on orange background (Xn) Dead fish and tree (N)
Classification:	Flammable; Harmful; Irritant, Dangerous for the environment
R10 -	Flammable
R65 -	Harmful: May cause lung damage if swallowed
R38 -	Irritating to the skin
R51/53 -	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S2 -	Keep out of reach of children
S23 -	Do not breathe vapour/spray
S24 -	Avoid contact with skin
S43 -	In case of fire use foam/dry powder/CO <sub>2</sub> /Halon Never use water jets.
S61 -	Avoid release to the environment. Refer to special instructions/Safety Data Sheet
S62 -	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

**16 OTHER INFORMATION**

Further information can be found in Health and Safety Executive publications, a list of which may be made available on request from HSE Books - Tel: 01787 881165.

This data sheet has been prepared in accordance with the requirements of the Data Sheet Directive 91/155/EEC as amended by Directive 2001/58/EC.

**LEGAL NOTICE**

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