



**MATERIAL
SAFETY
DATA SHEET**
Revised 27th September,, 2007

BARBECUE LIGHTER FLUID

SECTION 1: IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY

Product/Material: **BARBECUE LIGHTER FLUID**
Supplier: R.K. & J. Jones Limited
Address: Southery Road, Feltwell
 Thetford, Norfolk, IP26 4EH, UK.
Telephone: 01842 828101

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	EINECS No.	CAS No.	CONTENTS	SYMBOL	RISK (R No)
		64742-47-8	100%	Xn	65/66

A petroleum distillate with low aromatic content.

The full text for all R-phrases are shown in section 16.

EU INDEX NO: 649-422-00-2
CAS NO: 64742-47-8
COMPOSITION CONTENTS: EINECS No: 265-149-8
 Benzene (Cas No.71-43-2) will normally be present but will always be less than the 0.1% w/w marker level in the 21st ATP to the Dangerous Substance Directive. This odourless kerosene is not classified as a carcinogen under 67/548/EEC and the CHIP regulations.

SECTION 3: HAZARDS IDENTIFICATION

Harmful: may cause lung damage if swallowed.
 Repeated exposure may cause skin dryness or cracking.
 On the basis of information supplied it is unlikely to be hazardous to man in normal use.

SECTION 4: FIRST AID MEASURES

Inhalation: If inhalation of fumes irritates the nose or throat or causes coughing, remove to fresh air. Get medical advice if irritation continues.

Ingestion: Rinse mouth thoroughly. Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Do not induce vomiting because of the danger of aspiration. Ingestion of large quantities may cause nausea and diarrhoea.

Skin: Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above.

Eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

SECTION 5 : FIRE FIGHTING MEASURES

- Extinguishing Media:** Foam. Carbon Dioxide (CO2) Dry chemicals, sand, dolomite etc. Do not use water jet.
- Special Firefighting Procedures:** Fires in closed or confined spaces should be tackled by trained personnel who should wear breathing apparatus.
- Hazardous Decomposition Products:** Fire or high temperatures create: Oxides of : Carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Wear suitable protective clothing. Ensure good ventilation. Avoid breathing vapour. Repeated exposure can cause skin dryness and cracking.
- Environmental Precautions:** Do not let the product or washing down water enter natural water courses or the sewers. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Collect with absorbent, non-combustible material into suitable containers. Dike far ahead of larger spills for later disposal. CONTAIN SPILLAGE. DO NOT WASH SPILLAGE DOWN DRAIN. May cause slippery surfaces.
- Spill Clean Up Methods:** Authority Regulations via a licensed waste carrier. Do not contaminate water sources or sewer.

SECTION 7 : HANDLING AND STORAGE

- Usage Precautions:** Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Where prolonged or repeated exposure is likely PROTECTIIVE CLOTHING should be worn including IMPERVIOUS GLOVES and EYE PROTECTION. Follow the principles of good occupational hygiene to control personal exposures.
- Usage Description:** Use only containers, pipes, joints and seals that are resistant to hydrocarbons.
- Storage Precautions:** Protect from light, including direct sun rays. Store at moderate temperatures in dry, well ventilated area.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENT NAME	CAS No.	STD	LT EXP (8 HRS)	ST EXP (15 MIN)
A petroleum distillate with low aromatic content.	64742-47-8	OEL	1000 mg/m3	

Ingredient Comments: A petroleum distillate with low aromatic content (less than 1%)



**Protective Equipment:
Process Control
Measures:**

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Wash all splashes from the skin immediately.

- Ventilation:** Provide adequate general and local exhaust ventilation. LTEL has been established by using the Reciprocal Calculation Procedure for mixed Exposures to hydrocarbon solvents in EH40.
- Protective Gloves:** Chemical resistant gloves required for prolonged or repeated contact. Use protective gloves made of: Neoprene. Nitrile. Ensure gloves are manufactured/tested in accordance with BS EN374. Determined penetration times carried out in accordance with EN374 part III are not performed under practical conditions. Therefore a maximum wearing time corresponding to 50% of the penetration time is recommended.
- Eye Protection:** Wear splash-proof eye goggles to prevent any possibility of eye contact.
- Other Protection:** Provide eyewash, quick drench. Wear appropriate clothing to prevent repeated or prolonged skin contact. The normal precautions relating to handling of chemicals must be observed and attention should be given to the data and recommendations contained in the Safety Data sheet.
- Hygienic Work Routines:** Promptly remove any clothing that becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

- Appearance:** Liquid
- Odour:** Odourless or no characteristic odour.
- Colour:** Water-White
- Solubility Description:** Immiscible with water
- Boiling Point:** 200-260
- Vapour Pressure:** 0.35kPA @ 20oC
- Viscosity:** 1.7 x 10⁽⁶⁾ m²/s @ 40oC.
- Flash Point (oC):** >70
- Auto Ignition Temperature (°C)**>200
- Flammability Limit – upper:** 7.0
- Flammability Limit – lower:** 0.6
- Physical Data Comments:** VOC Content as mg/kg : 859

SECTION 10 : STABILITY AND REACTIVITY

- Stability:** Normally stable. Avoid: Heat, sparks, flames.
- Materials to avoid:** Strong oxidising agents.
- Hazardous decomposition Products:** High temperatures generate: Oxides of: Carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

- Toxicological Information:** ASPIRATION HAZARD – Do not breathe vapour or spray. May cause lung damage if material gets into lungs after accidental swallowing or vomiting of ingested material. Toxicity following a single exposure to high levels of kerosines (oral, dermal, inhalation) is of a very low dermatitis. Prolonged inhalation of mists may cause lung inflammation. Contact with eyes is likely to cause irritation with short term redness and stinging.

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Ingestion: Risk of severe pulmonary problems in case of accidental aspiration.

Skin Contact: Repeated exposure can cause skin dryness and cracking.

SECTION 12 : ECOLOGICAL INFORMATION

Mobility: Slightly soluble in water. Product floats on the surface of the water. In soil the product has only slight mobility and will partially evaporate.

Bioaccumulation: This product has the potential to bio-accumulate.

Degradability: The product is expected to be readily biodegradable. Persistence and degradation: Rapidly broken down by hydroxyl radicals in the troposphere.

Biodegradability after 28 days was found to be 239% when expressed as a ratio of the Biochemical Oxygen Demand (BOD) to the Chemical Oxygen Demand. (COD)

Acute Fish Toxicity: Ecotoxicological studies have shown a very low order of toxicity with this type of material. LC50 (96hr) – Fish > 1000 ppm: EC50 (24hr) – Daphnia > 250 ppm: IC50 (72hr) – Algae 20 ppm.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Confirm disposal procedures with environmental engineer and local regulations. Do not allow runoff to sewer, waterway or ground. Incinerate in suitable combustion chamber.

SECTION 14 : TRANSPORT INFORMATION

Label for Conveyance: No transport warning sign required.

Road:
UN No: N/A

Rail:
Rail Transport Class No: N/A

Sea:
Sea Transport Class No: N/A

ADR Class No: N/A

Air:
Air Transport Class No: N/A

SECTION 15 : REGULATORY INFORMATION

EEC (EINECS) No: 265-149-8

Label for Supply: Harmful Label

Risk Phrases: **R65** Harmful: may cause lung damage if swallowed
R66 Repeated exposure may cause skin dryness/
Cracking.

Safety Phrases:	S-2	Keep out of reach of children
	S24	Avoid contact with skin.
	S61	Avoid release to the environment. Refer to Special instructions/safety data sheets.
	S62	If swallowed, do not induce vomiting. Seek medical advice immediately and show this container or label.
	S23	Do not breathe vapour or spray.
	S43	In case of fire use foam/dry powder/CO2 - NEVER USE WATER.

SECTION 16 : OTHER HEALTH AND SAFETY INFORMATION

User Notes: Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapours may explode on ignition, do not cut, drill, grind or weld on or near this container. For further Health and Safety information contact: Health and Safety Officer.

Revision Comments: Amendment to section/s:- (2) (16) Classification, Packaging and Labelling of chemicals: CHIP 3

Revision Date: 01/07/02

Revision No./replaces

SDS Issued: 07-14/08/00

SDS No: 0055

R-Phrases (Full Text): R-66 Repeated exposure may cause skin dryness or cracking
R-65 Harmful: may cause lung damage if swallowed.

Safety Data Sheet Status: Approved.

Date: 01/07/02

Disclaimer:

If this product is re-distributed and re-formulated for sale, details of its hazards and recommended methods for safe handling must be passed to customers. Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by a work activity using this product is undertaken before this product is used.

Note: The information contained in this Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other Health & Safety Legislation (e.g. the Health and Safety at Work Act, 1974; the Control of Substances Hazardous to Health Regulations, 1988). The data given here is based on current knowledge and experience. The purpose of this data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the product's properties.