

# MATERIAL SAFETY DATA SHEETS

## 1. Identification of the substance/Preparation and Company/Undertaking

**Product Name : KEROSENE.**

Address / Phone No : Fast Fuel, 12 Bridewell Gardens, Undy, CALDICOT, Monmouthshire.

NP26 3JZ

Telephone : 01633 881717

Emergency : 07789 655886

## 2. Composition/ Information on Ingredients

CAS No : 008008-20-6

EEC No : 232-366-4

<b>Hazardous Ingredient(s)</b>	<b>CAS No</b>	<b>Symbol</b>	<b>R Phrases</b>
Kerosene	008008-20-6	Xn	R10 R22 R38 R52/53

## 3. Hazards Identification

Harmful if Swallowed

Irritating to Skin

Flammable

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

## 4. First Aid Measures

**Inhalation** : Remove patient from exposure. Obtain medical attention

**Skin Contact** : Remove contaminated clothing. Wash skin with water. If symptoms (irritation/ blistering) occur obtain medical attention.

**Eye Contact** : Irrigate with copious eyewash solution or clean water, holding eyelids apart for at least 10 minutes. Obtain medical attention.

**Ingestion** : Do **NOT** induce vomiting. Wash out mouth with water and give 200-300 ml (approx half pint) of water to drink. **OBTAIN IMMEDIATE MEDICAL ATTENTION.**

## **5. Fire-Fighting Measures.**

### **Flammable**

**Extinguishing Media : Water spray, foam, dry powder or CO2 (Do NOT use Water Jet)**

## **6. Accidental Release Measures**

### **Flammable**

Eliminate sources of ignition. Ventilate Area.

Absorb spillage onto sand, earth or any suitable absorbent material.

Transfer to a container for disposal.

Do not allow to enter drains, sewers or watercourses

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

## **7. Handling and Storage**

Handling.

Avoid contact with skin and eyes. Do not breathe vapour/spray. Provide adequate ventilation to ensure that the defined occupational exposure limit is not exceeded.

Storage.

Take precautionary measures against static discharges.

Keep away from heat and sources of ignition.

Keep away from strong oxidising agents.

Storage Temperature : Ambient.

## 8. Exposure Controls/ Personal Protection.

Wear suitable gloves and eye/ face protection.

Contaminated clothing should be thoroughly cleaned.

Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely.

Occupational Exposure Limits.

Hazardous Ingredients	LTEL 8 hr ppm	Twa mg/m <sup>2</sup>	STEL ppm	Notes mg/m <sup>2</sup>	
Oil mist, mineral	-	5	-	10	OES
May contain Benzene	5	16	-	-	MEL
Toluene	50	191	150	574	OES Sk
Xylenes	100	441	125	552	OES
Trimethylbenzenes, all isomers or mixtures	25	125	-	-	OES
Ethyl Benzene	100	441	125	552	OES
Naphthalene	10	50	15	75	-OES

## 9. Physical and Chemical Properties

Form : Liquid

Colour : Clear / Pale Yellow

Odour : Mineral Oil like

pH Value : Not Applicable

Boiling Point : 150 - 270

Melting Point : <-39

Flash Point (C) : 46 (closed cup)

Flammable Limits (Lower)(%v/v) : 1.7

Flammable Limits (Upper)(%v/v)

Auto Ignition Temperature (C) : 225

Explosive Properties : No Data

Oxidising Properties : Not Oxidising

Vapour Pressure (Pascals) : 200 approx at 15.5C

Density (g/ml) : 0.79 - 0.81

Solubility (Water) : <0.1%

Partition Coefficient : log P n-octanol/water: 3.3 - 6+

Kinematic Viscosity : 2cSt at 40 deg C

## 10. Stability and Reactivity

Stable under normal conditions.

Hazardous reactions : Can react violently if in contact with strong oxidising agents.

Hazardous Decomposition Product(s) : None known.

## 11. Toxicological Information

**Inhalation** : Unlikely to be hazardous by inhalation because of the low vapour pressure of the material at ambient temperature. High concentrations of mist may be irritant to the upper respiratory tract. The vapour has anaesthetic properties and when inhaled at high concentrations it may cause respiratory irritation, headache, fatigue, dizziness and uncoordination

**Skin Contact** : Irritating to skin. Will remove the natural greases resulting in dryness, cracking and dermatitis. Unlikely to cause skin sensitisation. Unlikely to be hazardous by skin absorption. Dermal Median Lethal Dose >2g/Kg (rabbit).

**Eye Contact** : Practically non irritant.

**Ingestion** : Harmful if swallowed. Aspiration of droplets may cause pulmonary oedema.

**Long Term Exposure** : Similar materials have been found to possess weak carcinogenic activity in mice following repeated skin application. Severe skin irritation occurred in the animals and this repeated tissue damage may have had an effect on the extent to which skin tumours developed. Personal hygiene measures taken to prevent skin irritation should be adequate to prevent risk of skin cancer.

## 12. Ecological Information.

### Environmental Fate and Distribution

Liquid with moderate volatility.

The product is essentially insoluble in water.

The substance has high potential for bioaccumulation.

The substance is predicted to have moderate mobility in soil.

### Persistence and Degradation.

There is evidence of photodegradation in air.

There is no evidence of hydrolysis in water.

The product, by analogy, is expected to be partially biodegradable in water.

**Toxicity.**

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

**13. Disposal Considerations.**

Normal disposal is via incineration operated by an accredited disposal contractor. Large volumes may be suitable for redistillation by solvent contractors. Disposal should be in accordance with local, state or national legislation.

**14. Transport Information.**

UN No : 1223

UN Pack Group : 111

**AIR**

ICAO/IATA Class, primary : 3

UN Packing Group Air : 111

**SEA**

IMDG Class, primary : 3.3

UN Packing Group Sea : 111

Proper Shipping Name : KEROSENE.

**Road/Rail**

ADR/RID Class : 3

ADR/RID Item No : 31(c)

Classification (Packages) : 3

Classification (Tankers) : 3

**UK Tanker Regulations - DANGEROUS GOODS.**

Emergency Action Code : 3{Y}

SIN : 1223.

## **15. Regulatory Information.**

EC Classification : FLAMMABLE AND HARMFUL. DANGEROUS FOR THE ENVIRONMENT.

Hazard Symbol : Xn

### **Risk Phrases.**

R10 : Flammable

R22 : Harmful if Swallowed

R38 : Irritating to Skin

R52 : Harmful to Aquatic Organisms

R53 : May cause long term adverse effects in the Aquatic Environment.

### **Safety Phrases.**

S23 : Do not breathe vapour spray.

S24 : Avoid contact with skin.

S43 : In case of fire use water spray, foam, dry powder or CO2

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 sheet or label.

S2 : KEEP OUT OF THE REACH OF CHILDREN.

**This data sheet was prepared in accordance with Directive 93/112/EC.**

**You are advised to print this sheet for future reference.**