



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

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| PRODUCT | GAS OIL |
| APPLICATION | Heating Oil, fuel oil for industrial applications. |
| COMPANY | Mitchell & Webber Ltd The Fuel Depot Scorrier Redruth TR16 5UT |
| Telephone | 01209 821676 |
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2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL DESCRIPTION Mixture of hydrocarbons, mainly paraffinic with some aromatics and naphthenes and marker dye which does not add to the risk.

HAZARDOUS COMPONENTS Cracked components containing polycyclic aromatic hydrocarbon compounds may be present.

| Name | % | CAS | EINECS | SYMBOL | RISK PHRASES |
|----------------|---|------------|-----------|--------|---------------------|
| DIESEL/GAS OIL | | 68334-30-5 | 269-822-7 | Xn, N | R40/R65/R66/R51/R53 |

3. HAZARDS IDENTIFICATION

Harmful if swallowed. May cause irritation in contact with eyes and skin. This product contains polycyclic aromatic hydrocarbons (PAH's) some of which are known from experimental studies to induce skin cancer. Toxic effects are unlikely to occur if good personal hygiene is practised. Repeated exposure may cause skin dryness or cracking. Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

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| EYES | Immediately wash with fresh water for at least 15 minutes. If irritation persists seek medical advice. |
| SKIN | Remove contaminated clothing as soon as possible. Wash exposed skin thoroughly with soap and water. If irritation persists, seek medical attention. |
| INGESTION | If this material is swallowed, DO NOT INDUCE VOMITING. If unconscious, place in recovery position and protect airway. Seek immediate medical attention. |
| INHALATION | If over exposure occurs, remove to fresh air. Administer artificial respiration if breathing stops. Seek immediate medical attention. |
| PRESSURE INJECTION | Always obtain immediate medical attention as injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. |
| OTHER | Material may cause chemical pneumonitis if aspirated into the lungs. |

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5. FIRE FIGHTING MEASURES

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| EXTINGUISHING MEDIA | Use carbon dioxide, dry chemical or foam. DO NOT use water jets. |
| FIRE AND EXPLOSION HAZARDS | Incomplete combustion will generate carbon monoxide, carbon dioxide and other toxic gases. |
| PROTECTIVE MEASURES | Do not enter confined spaces without proper protective equipment including respirator. Use water spray or fog to cool containers exposed to fire. |

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

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| | Any spillage should be regarded as a potential fire risk. |
| PERSONAL PRECAUTIONS | Wear protective clothing and goggles. Use organic vapour mask or respirator where inadequate ventilation exists. |
| ENVIRONMENTAL PRECAUTIONS | Eliminate all sources of ignition. Contain the spill to the smallest area possible using dikes, dams, or booms as appropriate. Avoid entry into sewers and water courses. |
| RECOVERY | Recover as much of the product as possible by pumping using explosion proof equipment. Soak up residual fluids using absorbent materials. Remove contaminated items including soil and place in suitable containers for disposal. |

7. STORAGE AND HANDLING (IN NORMAL USE)

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| STORAGE | Store in suitably designed tanks and storage areas away from heat, ignition sources and open flames, in compliance with national and local regulations and codes of practice. |
| VENTILATION | Ensure adequate ventilation. |
| HANDLING | Avoid creating mists. DO NOT SMOKE, EAT OR DRINK WHILST HANDLING. Launder contaminated clothing before re-use. Use impervious gloves. Wash hands thoroughly after contact. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (NORMAL USE)

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| OCCUPATIONAL EXPOSURE LIMITS | None. |
| ENGINEERING MEASURES | Ensure adequate ventilation. Avoid flames and excessive temperatures. |
| PERSONAL PROTECTIVE EQUIPMENT | |
| RESPIRATORY | Unlikely to occur in normal use, ensure well ventilated areas. If operations are such that significant exposure may be anticipated, then suitable respiratory equipment should be worn. |
| HAND | Impervious gloves of nitrile rubber or PVC. (EN374) |
| EYE | Use chemical goggles if possibility of eye contact. (EN166) |
| OTHER | Coveralls. |

9. PHYSICAL / CHEMICAL PROPERTIES

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| APPEARANCE | Clear liquid. Pale red. |
| ODOUR | Characteristic odour. Hydrocarbons. |

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| VISCOSITY | 1.5 - 5.5 cS @ 40°C |
| BOILING POINT (or RANGE) | 160 - 385°C |
| FLASH POINT | >55°C |
| EXPLOSIVE LIMITS | |
| UPPER LIMIT | 7.5% |
| LOWER LIMIT | 0.5% |
| DENSITY @ 15°C kg/m ³ | 820 - 875 |
| SOLUBILITY | Negligible |

10. STABILITY AND REACTIVITY

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| STABILITY | Stable at ambient temperatures. |
| CONDITIONS TO AVOID | Avoid exposure to heat and flame. |
| MATERIALS TO AVOID | Avoid strong oxidising materials. |
| HAZARDOUS DECOMPOSITION PRODUCTS | Incomplete combustion will generate carbon monoxide, carbon dioxide and other hazardous gases. |

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

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|-----------------|---|
| EYES | Unlikely to cause more than transient stinging or redness. |
| SKIN | Will remove natural fats from the skin. Prolonged or repeated exposure may lead to dermatitis or more serious irreversible skin disorders including cancer. |
| INGESTION | Unlikely to occur in normal use. This product is irritant to the mucous membranes of mouth, throat and gastro-intestinal tract. Spontaneous vomiting is common with consequent risk of aspiration resulting in a potentially fatal chemical pneumonitis. |
| INHALATION | Where ventilation is poor or temperatures high vapour production may be a hazard. Exposure to high levels of vapour result in central nervous system and respiratory depression with subsequent loss of consciousness. Inhalation of oil mists may cause irritation to the upper respiratory tract. |
| CHRONIC EFFECTS | This product is classified for supply as a category 3 carcinogen. |

12. ECOLOGICAL INFORMATION

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| MOBILITY | Some mobility in soils. |
| PERSISTENCE & DEGRADABILITY | If ground spillage occurs on a large scale and enters soil substrata, long term contamination may occur, this could affect ground water. This product is inherently biodegradable. |
| BIO-ACCUMULATION | May bioaccumulate. |
| AQUATIC TOXICITY | This product is considered toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired. |

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13. DISPOSAL CONSIDERATIONS

Dispose of via a licensed waste carrier in accordance with local/national regulations. Do not discharge into the public drainage system.

14. TRANSPORT INFORMATION (REGULATIONS)

PACKAGING (Size & Description)

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| TRANSPORT CLASSIFICATION | FLAMMABLE LIQUID |
| U N NUMBER | 1202 |
| PROPER SHIPPING NAME | Gas Oil |
| ICAO/IATA/IMDG | CLASS 3 |
| PACKING GROUP | III |
| ADR CLASS | 3 |
| HAZARD IDENT. NUMBER | 30 |
| EMERGENCY ACTION CODE | 3Z |

15. REGULATORY INFORMATION (Supply & Labelling)

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|-----------------------|---|
| SUPPLY CLASSIFICATION | Harmful. Carcinogenic Category 3. Dangerous for the environment. |
| LABELLING SYMBOLS | Harmful – St Andrews Cross Dangerous for the environment – Dead Tree & Fish. |
| RISK PHRASES | R40 Limited evidence of carcinogen effect. R51/R53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. R65 Harmful – may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. |
| SAFETY PHRASES | S2 Keep out of the reach of children. S20/S21 When using do not eat, drink or smoke. S24/S25 Avoid contact with skin and eyes. S36/S37 Wear suitable protective clothing and gloves. S43 In case of fire, use foam/dry powder/CO ² . Never use water jets. S61 Avoid release into 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. |

16. OTHER INFORMATION

This product is intended for use as a fuel for commercial and industrial applications. It is illegal to use this product as a fuel for diesel powered vehicles on public roads. DO NOT use as a solvent or cleaning agent.

The information given in this data sheet is presented as guidance only for the purpose of determining health, safety and environmental measures. No warranty or representation express or implied is made as to the accuracy of completeness of the data and information contained in this data sheet. It is the users responsibility to evaluate this product and its intended use and to ensure compliance with applicable laws and regulations.
