

Semmens Coal Gas & Oil Supplies

Leswidden Common Fuel Depot Limited.
St Just, Penzance, Cornwall. TR19 7RU
Tel: 01736 787643
Fax: 01736 788979
Email: info@semmens-coal-gas-oil.co.uk



Gas Oil

SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE OR PREPARATION

PRODUCT	GAS OIL
APPLICATION	Heating Oil, fuel oil for industrial applications i.e Agriculture & Marine etc
COMPANY	Semmens Coal, Gas & Oil Supplies Leswidden Common Fuel Depot St Just Penzance, Cornwall TR19 7RU
Telephone	01736 787643
Fax	01736 788979
EMERGENCY TELEPHONE	01736 787643

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

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.

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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.

5. FIRE FIGHTING MEASURES

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)

	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)

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.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION (NORMAL USE)

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

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

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

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.

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)	
TRANSPORT CLASSIFICATION	FLAMMABLE LIQUID
U N NUMBER	1202

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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)

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.
