

WHMIS	Personal Protection	TDG Road/Rail
		

Section 1. Product Identification and Uses

Common/Trade name	Seasonal Diesel - LS Seasonal Diesel - RS Light Diesel - LS Furnace Oil Stove Oil Stove Oil - PG		
Synonyms	Not available.	CAS #	68334-30-5
Chemical family	Petroleum Hydrocarbon.	DSL	Listed on the DSL (Domestic Substances List).
Supplier	Husky Oil Marketing Company Box 6525 Station 'D' Calgary, Alberta T2P 3G7 (403) 298-6111	Manufacturer	Husky Oil Marketing Company PO Box 6525 Station 'D' Calgary, Alberta T2P 3G7 (403) 298-6111
Material uses	Motor fuel. Heating fuel.		

Section 2. First Aid Measures

Eye contact	Flush eyes for at least 15 minutes with clean water. Patch lightly, allowing drainage. Seek medical attention.
Skin contact	Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical attention if irritation develops.
Inhalation	Protect rescuer. Move exposed person to fresh air. If breathing has stopped apply artificial respiration. Seek medical attention.
Ingestion	If swallowed, do not induce vomiting or give liquids. Seek immediate medical attention.

Section 3. Hazardous Ingredients

Name	CAS #	Exposure Limits						% by Weight
		TWA (ppm)	TWA (Mg/M3)	STEL (ppm)	STEL (Mg/M3)	CEIL (ppm)	CEIL (Mg/M3)	
SEASONAL DIESEL - RS / SEASONAL DIESEL - LS / LIGHT DIESEL LS / STOVE OIL / FURNACE OIL								
Hydrotreated distillate, light..C9-16	64742-47-8	n/av	5	n/av	n/av	n/av	n/av	15-40
Hydrotreated Distillate, middle..C11-25	64742-46-7	n/av	5	n/av	n/av	n/av	n/av	60-100
STOVE OIL - PG								
Hydrotreated distillate, light..C9-16	64742-47-8	n/av	5	n/av	n/av	n/av	n/av	60-100
Hydrotreated Distillate, middle..C11-25	64742-46-7	n/av	5	n/av	n/av	n/av	n/av	15-40

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Toxicity values of the hazardous ingredients	<p>Hydrotreated distillate, light..C9-16 LD50: Not available. LC50: Not available.</p> <p>Hydrotreated Distillate, middle..C11-25 LD50: Not available. LC50: Not available.</p>
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Section 4. Physical Data

Physical state and appearance	Clear to pale yellow liquid.
Odor	Petroleum Odour
pH (1% soln/water)	Not applicable.
Odor threshold	Not available.
Evaporation rate	Not available.
Freezing point	Not available.
Boiling point	170°C to 370°C
Specific gravity	0.846 (Water = 1)
Volatility	Not available.
Vapor density	4 (Air = 1)
Vapor pressure	Not available.
Water/oil dist. coeff.	Insoluble in water. Soluble in oil.
Solubility	Insoluble in cold water.
Molecular Weight	Not applicable.
Melting Point	-42°C (pour point)
Density	Not available.

Section 5. Fire and Explosion Data

Auto-ignition temperature	Not available.
Flash points	CLOSED CUP: 44°C - 60°C (PMCC) Typical 53 deg C
Flammable limits	Not available.
Extinguishing Media	Use DRY chemicals, CO2, or foam to extinguish fire. Water may not be an effective medium to extinguish fire. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Special fire fighting procedures	Use supplied air or self contained breathing apparatus (SCBA) for large fires or for fires in enclosed areas.
Flammability	Combustible liquid. Released vapours may form flammable/explosive mixtures at or above the flash point. Vapours may travel considerable distances to ignition sources and cause a flash fire. All storage containers and pumping equipment must be grounded.
	Remark No additional remark.
Risks of explosion	This material is sensitive to static discharge. This product is not sensitive to mechanical impact.

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Remark
No additional remark.

Section 6. Reactivity Data

Stability	The product is stable.
Hazardous decomp. products	Carbon monoxide, carbon dioxide and irritant fumes and gases including sulphur oxides, nitrogen oxides and aldehydes.
Reactivity	Incompatible material: Strong acids, strong oxidizers, chlorine. Hazardous polymerization: Will not occur.
Remark	No additional remark.

Section 7. Toxicological Properties

Routes of entry	Ingestion. Inhalation. Eye contact. Skin contact.
TLV	TWA: 5 (mg/m3) for oil mist from ACGIH Consult local authorities for acceptable exposure limits.
Toxicity to animals	Diesel: Acute oral toxicity (LD50): 12000 mg/kg [Rat].
Remark	No additional remark.
Chronic effects	Diesel fuels have been classified by IARC (International Agency for Research on Cancer) as not classifiable as to its carcinogenicity to humans (IARC Group 3). Similar product streams have shown the potential to cause skin cancer in laboratory animals following direct skin application over the lifetime of the animal.
Remark	No additional remark.
Acute effects	Sensitizing Capability: No effects known. Irritancy: Skin, eye and upper respiratory tract irritant.
Ingestion	Pulmonary aspiration hazard if swallowed and vomiting occurs.
Skin	Prolonged skin contact can cause defatting of the skin resulting in dry cracked skin and dermatitis.
Eyes	Eye contact with product or product vapours may result in eye irritation.
Inhalation	May cause headache, dizziness, loss of appetite and loss of consciousness. Product vapours are irritating to the respiratory tract.
Remark	This product may contain trace quantities of hydrogen sulphide (H ₂ S) gas which may collect in confined spaces. Acute effects vary with concentration of H ₂ S released from mild eye, nose and throat irritation at approximately 100 ppm to sudden unconsciousness or death at 500 ppm.
Synergistic materials	Not available.

Section 8. Preventive Measures

Waste disposal	Dispose of in accordance with all federal, provincial and local regulations.
Storage	Keep away from all ignition sources. Maintain temperature below the flash point. Head spaces in storage containers may contain hydrocarbon vapours and toxic hydrogen sulphide gas.
Ventilation	In poorly ventilated areas provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit values.

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Spill and leak Evacuate unnecessary personnel. Eliminate all ignition sources. Stop leak if without risk. Contain spill and absorb with inert absorbent. Large spills should be removed with explosion proof vacuum equipment. Large pools may be covered with foam to prevent vapour evolution. Comply with federal, provincial, and local requirements for spill notification.

Section 9. Classification/Regulatory Information

TDG road / rail TDG CLASS 3: Flammable liquid with a flash point less than or equal to 60.5 C (140.9 F). Closed cup test method.



Shipping name: FUEL OIL UN1202

Remark

No additional remark.

WHMIS WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).



Remark

No additional remark.

Other This product is on the Domestic Substances List (DSL). TSCA (Toxic Substance Control Act): This product is listed on the TSCA Inventory.
Refer to federal, provincial, and local legislation for further requirements.

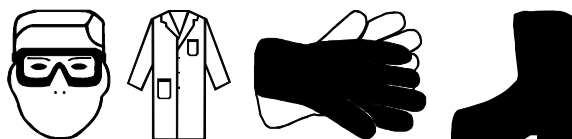
Section 10. Protective Clothing

Eye Non-vented chemical goggles to protect against splashing of product into the eyes and to prevent eye irritation from the solvent vapours.

Skin Impervious gloves and clothing should be worn as appropriate to protect against skin contact. Neoprene or nitrile material is suggested.

Respiratory Respiratory protection may be required in poorly ventilated areas and under heated conditions. Properly fitted air purifying masks equipped with organic vapour filters will provide protection at low concentrations. Air supplied respirators or positive pressure self contained breathing apparatus is required when atmospheric concentrations of hydrocarbon vapours are likely to exceed 10X the occupational exposure limit or when high concentrations of H₂S may be present.

Other As required by the situation according to your companies policies and procedures. Contact your supervisor for direction.



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Section 11. Preparation Information

References -SAX, N.I. Dangerous Properties of Industrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. CPPI WHMIS Classification Guidelines Product/stream Toxicology Testing Priority List. CCOHS (Chem advi) CCOHS(Cheminfo) TOMES PLUS by Micromedex Inc.

MSDS Status

Acronyms: TLV = Threshold Limit Value N/AP = Not applicable N/AV = Not Available COC = Cleveland Open Cup PMCC = Pensky Martens Closed Cup

Validated by Bernard Bradford on 3/19/2006.

Verified by Bernard Bradford.

Supersedes: 03/19/2003

Printed 1/26/2006.

Emergency Phone # 403-262-2111

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