



Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	Protective Clothing
	WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).	

Section 1. Product and Company Identification	
Product Name / Trade name	Citrolite Premium Paraffin Lamp Oil
Associated Product's Item Code	14-851
Synonym	Isoparaffinic hydrocarbon Paraffin oil Premium paraffin lamp oil Lamp oil
CAS #	64742-48-9
DSL	CEPA DSL: Heavy naphtha-hydrotreated
Chemical Family	Paraffin hydrocarbon (Solvent.)
Validation Date	1/23/2002.
Chemical Formula	Not applicable.
Print Date	2/6/2002.
Manufacturer	Recochem Inc. 850 Montee de Liesse Montreal, Quebec 514-341-3550
In Case of Emergency	Recochem Inc. Communications and Regulatory Affairs Department (905) 791-1788
Material Uses	Other non specified industry: Fuel.

Section 2. Hazardous Ingredients				
Name	CAS #	% by Weight	Exposure Limits	
			Canadian Values (ACGIH)	U.S. Values (OSHA)
1) Heavy naphtha- hydrotreated	64742-48-9	100	TWA: 152 ppm Form: Manufacturer's recommendation based on total hydrocarbons. TWA: 1200 mg/m ³ Form: Manufacturer's recommendation based on total hydrocarbons.	1) Heavy naphtha-hydrotreat Not available.

Section 3. Emergency Overview	
Hazard Overview	DANGER. Combustible Liquid. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Keep out of reach of children.
Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Aspiration hazard if swallowed- can enter lungs and cause damage.
Note to Physician	Treat symptomatically and supportively. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possible death.

Section 4. First Aid Measures	
Eye Contact	Rinse with water for a few minutes. If irritation persists, seek medical attention.
Skin Contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. If irritation persists, seek medical attention.
Ingestion	DO NOT induce vomiting. Aspiration hazard if swallowed- can enter lungs and cause damage. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possible death. Allow the victim to rest in a well-ventilated area. Seek medical attention.

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Section 5. Fire Fighting Measures

Products of Combustion	Carbon oxides (CO, CO ₂), smoke, fumes.
Fire Fighting Media and Instructions	Combustible liquid, insoluble in water. SMALL FIRE: Use DRY chemicals, CO ₂ , alcohol foam or water spray. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Fire Hazards	Vigourously supports combustion. Combustible when exposed to heat or flame.
Explosion Hazards	Container explosion may occur under fire conditions or when heated.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill and Leak	Combustible liquid, insoluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Prevent entry into sewers and surface waterways. Absorb with DRY earth, sand or other non-combustible material. Place in appropriate container and dispose of in accordance with regional regulations.

Section 7. Handling and Storage

Handling	Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material.
Storage	Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed in a cool, well-ventilated place. Keep out of reach of children.

Section 8. Exposure Controls, Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	No special protective clothing is required.
<i>Respiratory</i>	Wear appropriate respirator when ventilation is inadequate. Be sure to use an approved/certified respirator or equivalent.
<i>Hands</i>	Gloves (impervious).

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	May contain product specific fragrances or underlying odour of Petroleum distillate in non-fragrance products. Lemon like.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% Soln/Water)	Not applicable.	Color	Yellow.
Boiling/Condensation Point	224 to 252°C (435.2 to 485.6°F)	Volatility	100% (w/w).
Melting/Freezing Point	-60°C (-76°F)	Evaporation Rate	<0.1 compared to Butyl acetate.
Specific Gravity	0.79 to 0.8 (Water = 1)	Odor Threshold	Not available.
Vapor Pressure	<0.1 kPa (<1.1 mmHg) (@ 20°C)	Viscosity	Kinetic: 2.2 to 3.2 cS
Vapor Density	6.6 (Air = 1)	Solubility	Easily soluble in diethyl ether, n-octanol. Insoluble in water, methanol.
VOC Content	790 to 800 (g/l).	Other Properties	Not available.
The Product is:	Combustible.		
Autoignition Temperature	254°C (489.2°F)		
Flash Points	CLOSED CUP: 81°C (177.8°F). (Pensky-Martens.)		

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Flammable Limits	LOWER: 1.3% UPPER: 8.8%
Fire Hazards in Presence of Various Substances	Combustible in presence of open flames, sparks and static discharge, or heat.

Section 10. Stability and Reactivity

Stability	The product is stable.
Conditions of Instability	No additional remark.
Incompatibility with Various Substances	Reactive with oxidizing agents.

Section 11. Toxicological Information

Routes of Entry	Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): >5000 mg/kg [Rat]. Acute dermal toxicity (LD50): >3000 mg/kg [Rabbit].
Acute Effects on Humans	<p>Eyes Slightly hazardous in case of eye contact (irritant).</p> <p>Skin Slightly hazardous in case of skin contact (irritant).</p> <p>Inhalation Slightly hazardous in case of inhalation.</p> <p>Ingestion This product is of very low acute toxicity. Aspiration hazard if swallowed- can enter lungs and cause damage.</p>
Chronic Effects on Humans	<p>CARCINOGENIC EFFECTS: Not available.</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>Prolonged and repeated contact with skin can cause drying of the skin resulting in irritation and dermatitis.</p>

Section 12. Ecological Information

Ecotoxicity	Not available.
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Section 13. Disposal Considerations

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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Section 14. Transport Information

TDG Classification (Canada)	Not controlled under TDG (Canada).	
PIN (Canada)	Not applicable.	
Special Provisions for Transport (Canada)	Not available.	
IMDG Classification	Not controlled under IMDG.	
PIN	Not regulated.	
Marine Pollutant	Not pollutant.	
DOT Classification (U.S.A)	Not a DOT controlled material (United States).	
PIN	Not regulated.	
Special Provisions for Transport (U.S.)	Not available.	

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Section 15. Other Regulatory Information and Pictograms

WHMIS Classification (Canada) WHMIS CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).



HCS Classification (U.S.A.) Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).

USA Regulatory Lists TSCA inventory: Light naphtha-hydrotreated

Hazardous Material Information System (U.S.A.)

Health	0
Flammability	2
Reactivity	0
Personal Protection	G

National Fire Protection Association (U.S.A.)



Section 16. Other Information

Validated and verified by Product Development and Technical Coordinator on 1/23/2002.

Printed 2/6/2002.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.