








Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	Protective Clothing
 	CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). Class D-2B: Material causing other toxic effects (TOXIC).	  

Section 1. Product and Company Identification

Product Name / Trade name	Camping Fuel	Associated Product's Item Code	14-431
Synonym	Petroleum distillate Naphtha fuel White gas	CAS #	64742-49-0
Chemical Family	Aliphatic hydrocarbon.	DSL	CEPA DSL: Light naphtha-hydrotreated
Chemical Formula	Not applicable.	Validation Date	12/12/2001.
Manufacturer	Recochem Inc. 850 Montee de Liesse Montreal, Quebec 514-341-3550	Print Date	12/19/2001.
Material Uses	Other non specified industry: Fuel.	In Case of Emergency	Recochem Inc. Communications and Regulatory Affairs Department (905) 791-1788

Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	Exposure Limits	
			Canadian Values (ACGIH)	U.S. Values (OSHA)
1) Light naphtha-hydrotreated	64742-49-0	100	Not available.	1) Light naphtha-h Not available.

Section 3. Emergency Overview

Hazard Overview	DANGER. EXTREMELY FLAMMABLE LIQUID AND VAPOUR, VAPOUR MAY CAUSE FLASH FIRE. HARMFUL OR FATAL IF SWALLOWED. Vapour harmful. 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	This product may irritate eyes and skin upon contact. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening. Ingestion can cause burning sensation, vomiting, drowsiness and in severe cases pulmonary edema. Inhalation of excessive amounts may result in impairment, such as drowsiness, lack of coordination, headache and nausea.
Note to Physician	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. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Seek medical attention.
Ingestion	DO NOT induce vomiting. Allow the victim to rest in a well-ventilated area. Seek medical attention. Seek immediate 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	Extremely flammable. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, auto-ignition or explosion.
Fire Hazards	EXTREMELY FLAMMABLE LIQUID AND VAPOUR, VAPOUR MAY CAUSE FLASH FIRE. Vapour may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions or when heated.
Explosion Hazards	Vapours may travel along ground and flashback along vapour trail.

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	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. 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	
Eyes	Splash goggles.
Body	No special protective clothing is required.
Respiratory	Vapour respirator.
Hands	as Acrobat Document

as Acrobat Document and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Naphtha petroleum
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% Soln/Water)	Not applicable.	Color	Colourless.
Boiling/Condensation Point	64 to 96°C (147.2 to 204.8°F)	Volatility	100% (v/v). 100% (w/w).
Melting/Freezing Point	-54°C (-65.2°F)	Evaporation Rate	6.9 compared to Butyl acetate.
Specific Gravity	0.67 to 0.69 (Water = 1)	Odor Threshold	Not available.
Vapor Pressure	19.7 kPa (148 mmHg) (@ 20°C)	Viscosity	Kinetic: 0.49 cS
Vapor Density	3 (Air = 1)	Solubility	Easily soluble in diethyl ether, n-octanol. Insoluble in water, methanol.
VOC Content	670 to 690 (g/l).	Other Properties	Not available.

The Product is:	Flammable.
Autoignition Temperature	257°C (494.6°F)
Flash Points	CLOSED CUP: -22°C (-7.6°F). (Tagliabue.)

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Flammable Limits	LOWER: 1.8% UPPER: 11.6%
Fire Hazards in Presence of Various Substances	Extremely flammable in presence of open flames, sparks and static discharge, of 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	LD50: Not available. LC50: Not available.
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). Skin inflammation is characterized by itching, scaling, reddening or occasionally, blistering.</p> <p>Inhalation Slightly hazardous in case of inhalation. Exposure to high concentrations can cause dizziness, lightheadness, headache, nausea, and blurred vision. Higher levels may cause unconsciousness.</p> <p>Ingestion 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 exposure can cause dermatitis. Soporific or intoxicating effect if prolonged and in sufficient concentration. Avoid breathing vapors or spray mists.</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)	3	
PIN (Canada)	Shipping name: PETROLEUM DISTILLATES, N.O.S. (Light naphtha-hydrotreated) UNNA: UN 1268 PG: II	
Special Provisions for Transport (Canada)	Not available.	
IMDG Classification	3.1	
PIN	Shipping name: PETROLEUM DISTILLATES, N.O.S. (Light naphtha-hydrotreated) UNNA: UN 1268 PG: II	
Marine Pollutant	Not pollutant.	
DOT Classification (U.S.A.)	3	
PIN	PETROLEUM DISTILLATES, N.O.S. (Light naphtha- hydrotreated), 3, UN 1268, II, Not pollutant.	

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Special Provisions for Transport (U.S.) Not available.

Section 15. Other Regulatory Information and Pictograms

WHMIS Classification (Canada) CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
Class D-2B: Material causing other toxic effects (TOXIC).



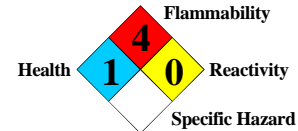
HCS Classification (U.S.A.) Class: Flammable liquid having a flash point lower than 37.8°C (100°F).
Class: Toxic.

USA Regulatory Lists TSCA inventory: Light naphtha- hydrotreated

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

Health	1
Flammability	4
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 12/12/2001.

Printed 12/19/2001.

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.*