

# Material Safety Data Sheet

## Product: Coleman® Camp Fuel

### 1. Chemical Product and Company Identification

Trade Name of this Product: Coleman® Camp Fuel

**Manufacturer**

HOC Industries, Inc.  
3511 N. Ohio  
Wichita, KS 67219

**Contact Name**

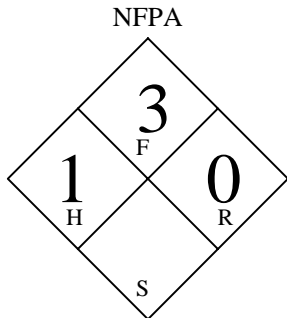
Don Poschen

**Phone Number**

(316) 838-4663

**Emergency Phone**

(800) 633-8253



### 2. Composition and Information on Ingredients

**Ingredient**

Light Hydrotreated  
Distillate

**CAS Number**

68410-97-9

**Weight %**

100

**ACGIH**

**TWA**

300 ppm

**STEL**

500 ppm

### 3. Hazard Identification

\*\*\*\*\*EMERGENCY OVERVIEW\*\*\*\*\*

- \* WARNING: Flammable Liquid and Vapor. The Flash Point is <0 degrees F.
- \* This product is a clear, green, light hydrocarbon liquid.
- \* It has a solvent petroleum odor. The product floats on water.
- \* When burned the product produces carbon monoxide and other asphyxiants during combustion.
- \* Harmful if inhaled and may cause delayed lung injury.
- \* Aspiration hazard if swallowed - can enter lungs and cause damage.
- \* Keep away from heat, sparks, and flame.

- \* Avoid breathing vapor. Use ventilation to keep vapor below exposure limits.
  - \* Avoid contact with eyes, skin and clothing. Material splashed into the eyes will irritate tissues. Gently flush material from eyes with clean water.
  - \* Unprotected exposure to this product will cause skin dryness.
  - \* Remove product soaked clothing and wash with mild soap.
  - \* As with any petroleum product, avoid mixing this product with strong oxidizers.
  - \* This product is not listed on the NTP, IARC, OSHA, or ACGIH lists of suspected/confirmed carcinogens.
  - \* This product may be toxic to fish but will be toxic to birds and wildlife through ingestion during pelage cleaning.
  - \* This product is readily biodegradable in the presence of air and sunlight.
  - \* Spilled material is slippery and may cause falls.
- \*\*\*\*\*END OF EMERGENCY OVERVIEW \*\*\*\*\*

#### POTENTIAL HEALTH EFFECTS

PRIMARY ROUTE(S) OF ENTRY: Skin.

#### EYES

Tests on similiar materials suggest acute irritation can be expected.

#### SKIN

Tests on similiar materials indicate acute irritation is expected to occur upon short-term exposure, chronic dermatitis on prolonged contact.

#### INGESTION

ACUTE ASPIRATION HAZARD. Tests on similar materials indicate possibility of the following symptoms: headache, nausea, drowsiness, fatigue, pneumonitis, pulmonary adema, central nervous system depression, convulsions, and loss of consciousness.

#### INHALATION

Tests on similar material indicate the possibility of the following symptoms: headache, nasal and respiratory irritation, nausea, drowsiness, breathlessness, fatigue, central nervous system depression, convulsions, and loss of consciousness.

#### CHRONIC

Prolonged and/or repeated contact with this material may produce skin irritation and inflammation.

#### CANCER INFORMATION

Carcinogen listed by:

National Toxicology Program: No

I.A.R.C.: No

OSHA: No

ACGIH: No

This product does not require a cancer hazard warning in accordance with the OSHA Hazard Communication Standard.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Personnel with pre-existing skin disorders should avoid contact with this product.

### 4. First Aid Information

#### EYES

Flush eyes immediately with water for at least 15 minutes or until irritation subsides, occasionally lifting lower and upper lids. Get medical attention promptly.

#### SKIN

Wash thoroughly with soap and water. Immediately remove contaminated clothing and wash before reuse. If irritation or rash develops, obtain medical assistance. Immediately remove soaked clothing.

**INGESTION**

CALL PHYSICIAN IMMEDIATELY. Do not induce vomiting except at the instruction of a physician. Never give anything by mouth to an unconscious person.

**INHALATION**

Remove person to fresh air and consult a physician. If breathing is difficult, give oxygen. If not breathing give artificial respiration.

**5. Fire Fighting Measures****FLAMMABLE PROPERTIES**

FLASH POINT: <0°F (<-18°C) Tag Closed Cup

AUTOIGNITION: not available

FLAMMABILITY CLASS: IB

LOWER EXPLOSIVE LIMIT (%): not available

UPPER EXPLOSIVE LIMIT (%): not available

**FIRE AND EXPLOSION HAZARDS**

Can form flammable mixtures with air and flash at room temperature or upon slight heat application. Vapors are heavier than air and may travel considerable distance. Explosion hazard in confined spaces if exposed to ignition source. Mists or sprays may be flammable below fuel's normal flash point. Keep away from heat or open flame.

**EXTINGUISHING MEDIA**

Dry Chemical, carbon dioxide, and foam. NOTE: Water, fog and foam may cause frothing and spattering. Water stream may spread fire.

**FIRE FIGHTING INSTRUCTIONS**

Use water to cool containers exposed to flames. Do not enter enclosed or a confined work space without proper protective equipment. Fire fighting personnel should wear respiratory protection (positive pressure if available). If leak or spill has not ignited, use water spray to disperse the vapors.

Products of combustion include fumes, smoke and carbon monoxide.

**6. Accidental Release Measures**

Evacuate area and shut off ignition source. Contain spill and keep from entering waterways or sewers. Use personal protective equipment. Advise EPA or state agency if required. Absorb with inert material. Shovel or sweep spill and place in closed container for disposal.

**7. Handling and Storage**

**HANDLING:** Keep product away from high energy ignition sources, heat, sparks, pilot lights, static electricity, and open flame. Avoid contact with skin. Avoid inhalation of vapors or mists. Use in well ventilated area away from all ignition sources. See Section 8 for additional personal protection advice when handling this product.

**STORAGE:** Store in a cool area. Store as OSHA Class IB flammable liquid

**SPECIAL PRECAUTIONS:** To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system. Electrical equipment and fittings must comply with local fire prevention regulations for this class of product. Use the correct grounding procedures. Refer to national, state, or local regulations covering safety at petroleum handling and storage areas for this product.

**EMPTY CONTAINER WARNING:** Empty containers retain residue (liquid and/or vapor) and can be dangerous. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**WORK/HYGIENIC PRACTICES**

Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove fuel-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

**8. Exposure Controls and Personal Protection**

**ENGINEERING CONTROLS**

Use adequate ventilation to keep fuel mists of this material below applicable standard(s). See Section on occupational exposure limits.

**EYE/FACE PROTECTION**

Safety glasses, splash goggles, or face shield as appropriate. Have suitable eye wash water available.

**SKIN PROTECTION**

Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious gloves and clothing. Acceptable materials for gloves are neoprene, nitrile, or viton.

**RESPIRATORY PROTECTION**

Up to 1000 ppm, half mask organic vapor respirator. Up to 5000 ppm, full face organic vapor respirator or full face supplied air respirator. Greater than 5000 ppm, fire fighting, or unknown concentration, self contained breathing apparatus with positive pressure should be used.

**OTHER/GENERAL PROTECTION**

If there is a likelihood of splashing, an oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing. Discard fuel soaked shoes. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard).

Maintain local or dilution ventilation to keep air concentration below 100 ppm. Loading, unloading, tank gauging, etc., remain upwind. Request assistance of safety and industrial hygiene personnel to determine air concentrations.

**INGREDIENT NAME, CAS #, EXPOSURE LIMITS, PERCENT BY VOLUME**

-----  
Hydrotreated Light Distillate, CAS # 68410-97-9, OSHA-500 ppm, 100.0

This product contains:

- \*Cyclohexane, CAS # 110-82-7, OSHA-300 ppm, ACGIH-300 ppm
- \*Nonane, CAS # 111-84-2, ACGIH-200 ppm
- \*Octane, CAS # 111-65-9, OSHA-400 ppm, ACGIH-300 ppm
- \*Heptane, CAS # 142-82-5, OSHA-500 ppm, ACGIH-400 ppm
- \*Pentane, CAS # 109-66-0, OSHA-1000 ppm, ACGIH-600 ppm

## 9. Physical and Chemical Properties

### APPEARANCE

Clear, green liquid.

### ODOR

Petroleum Naphtha.

### ODOR THRESHOLD

N.D.

### BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid

BOILING POINT: IBP >100°F (>38°C)

MELTING POINT: N/A

VAPOR PRESSURE: (Reid) 5.3 psi @ 100°F

VAPOR DENSITY (AIR=1): 3

SPECIFIC GRAVITY @ 60°F (water=1): 0.7

MOLECULAR WEIGHT: not available

SOLUBILITY (H<sub>2</sub>O): negligible

PERCENT VOLATILES: 100%

VISCOSITY: not available

Physical data may vary slightly to meet specifications.

## 10. Stability and Reactivity

STABILITY: Stable.

### CONDITIONS TO AVOID

Sources of ignition.

### INCOMPATIBLE MATERIALS

Strong oxidizers.

### HAZARDOUS DECOMPOSITION PRODUCTS

Incomplete combustion may produce fumes, smoke, carbon monoxide and other asphyxiants.

HAZARDOUS POLYMERIZATION: will not occur.

## 11. Toxicological Information

### Skin effects

May cause irritation or dermatitis with prolonged and repeated contact.

### Oral effects

Tests on similar materials indicate an order of acute oral toxicity.

### Inhalation effects

Acute toxicity expected on inhalation.

Medical conditions aggravated by overexposure

Dermatitis and sensitive skin. This product is not listed as carcinogenic or a potential carcinogen by the national toxicology program, by the I.A.R.C. monographs or by OSHA. Nevertheless, good industrial hygienic practices are recommended.

## 12. Ecological Information

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.

This product is rapidly biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70°F (21°C).

## 13. Disposal Considerations

RCRA hazardous waste if discarded in its present form. EPA hazardous waste number D001. State and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

## 14. Transportation Information

PROPER SHIPPING NAME: Petroleum Distillates, n.o.s., Class 3, UN 1268, PG II

HAZARD CLASS: Class 3 Flammable Liquid

DOT IDENTIFICATION NUMBER: UN1268

DOT SHIPPING LABEL: DOT Hazardous material

## 15. Regulatory Information

U.S. FEDERAL REGULATORY INFORMATION

SARA 302 Threshold Planning Quantity: NOT APPLICABLE

SARA 304 Reportable Quantity: NOT APPLICABLE SARA TITLE III - Section 311/312 Hazard classes:

Immediate/Acute Health Effects: no

Delayed/Chronic Health Effects: yes

Fire Hazard: yes

Sudden Release of Pressure Hazard: no

Reactivity Hazard: no

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

SARA TITLE III - Section 313 Supplier notification:

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

\* Cyclohexane 110-82-7 up to 10%

Comprehensive Environmental Response Compensation and Liability Act (CERCLA): The following chemicals in this product are subject to the reporting requirements of CERCLA Section 101(14)(F): Cyclohexane

When this product is used in a mixture, or as an ingredient in another product, or in a manufacturing operation, the petroleum exclusion may terminate and an accidental spill may require reporting to the National Response Center.

STATE LIST DATA - This product contains chemicals which are on the following state lists:

Florida Toxic Substance

Massachusetts Hazardous Substance

Pennsylvania Hazardous Substance

Minnesota Hazardous Substance

STATE LIST DATA - This product contains chemicals which are on the following state lists (continued):

New Jersey RTK Hazardous Substance  
New York List of Hazardous Substances  
Washington Air Contaminant

## **16. Other Information**

DATE MADE: 2/12/04

DATE REVISED: 6/19/07

The information contained herein is based upon data available to us and reflects our best professional judgment. However, no warranty of merchantability, fitness for any use, or other warranty is expressed or implied regarding the accuracy of such data, the results to be obtained from the use thereof, or that any such use does not infringe any patent. Since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.



## Material Safety Data Sheet

### Isopropyl Alcohol, 50-100% v/v

#### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Isopropyl Alcohol, 50-100% v/v

**Catalog Numbers:**

LC15750, LC15755, LC15760

**Synonyms:**

Isopropanol, 2-propanol, sec-propanol

**Company Identification:**

LabChem Inc  
 200 William Pitt Way  
 Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

#### Section 2 – Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
67-63-0	Isopropyl alcohol	50-100

#### Section 3 - Hazards Identification

##### Emergency Overview

**Appearance:** *Clear, colorless solution*

**Danger!** Flammable liquid. May form explosive peroxides. May cause respiratory and digestive tract irritation. Causes eye irritation. May cause skin irritation. May cause central nervous system depression.

**Target Organs:** *Eyes, skin, respiratory system, central nervous system*

##### Potential Health Effects

**Eye:**

Causes irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury.

**Skin:**

May cause irritation with pain and stinging, especially if the skin is abraded. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis. In rare cases, exposure has caused skin sensitization.





## Material Safety Data Sheet

### Isopropyl Alcohol, 50-100% v/v

**Ingestion:**

May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

**Inhalation:**

Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, unconsciousness and coma. Inhalation of vapor may cause respiratory tract irritation.

**Chronic:**

Prolonged or repeated skin contact may cause defatting and dermatitis. May cause allergic skin reaction in some individuals.

## Section 4 - First Aid Measures

**Eyes:**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:**

Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**Ingestion:**

Give conscious victim 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid at once.

**Inhalation:**

Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid at once.

**Notes to Physician:**

Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

**General Information:**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors can travel to a source of ignition and flash back. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. This chemical poses an explosion hazard. Flammable liquid. May form explosive peroxides. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

**Extinguishing Media:**

Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water. For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. For small fires, use carbon dioxide, dry chemical, dry sand, or alcohol-resistant foam. Cool containers with flooding quantities of water until well after fire is out.

**Autoignition Temperature:**

810°F (432°C)

**Flash Point:**

53°F (11.7°C) - for LC15750, 65°F (18°C) - for LC15755



## Material Safety Data Sheet Isopropyl Alcohol, 50-100% v/v

**NFPA Rating:**

CAS# 7732-18-5: Health-0, Flammability-0, Instability-0

CAS# 67-63-0: Health-1, Flammability-3, Instability-0

**Explosion Limits:**

Lower: 2.5%

Upper: 12.1%

### Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Remove all sources of ignition. Absorb spills with absorbent (vermiculite, sand, fuller's earth) and place in plastic bags for later disposal.

### Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Ground and bond containers when transferring material. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Avoid contact with heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

**Storage:**

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations below the permissible exposure limits.

**Exposure Limits:**

Chemical Name:	ACGIH	NIOSH	OSHA
Water	none listed	none listed	none listed
Isopropyl alcohol	200 ppm TWA; 400 ppm STEL	400 ppm TWA; 980 mg/m <sup>3</sup> TWA; 2000 ppm IDLH	400 ppm TWA; 980 mg/m <sup>3</sup> TWA

**OSHA Vacated PELs:**Isopropyl alcohol: 400 ppm TWA, 980 mg/m<sup>3</sup> TWA**Personal Protective Equipment****Eyes:**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.



## Material Safety Data Sheet

### Isopropyl Alcohol, 50-100% v/v

**Skin:**

Wear appropriate gloves to prevent skin exposure.

**Clothing:**

Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

## Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Solvent odor
<b>pH:</b>	No information found.
<b>Vapor Pressure:</b>	33 mm Hg @ 20°C
<b>Vapor Density:</b>	2.1 (air=1)
<b>Evaporation Rate:</b>	2.3 (n-butyl acetate=1)
<b>Viscosity:</b>	2.1 cP at 77°F
<b>Boiling Point:</b>	82°C (180°F)
<b>Freezing/Melting Point:</b>	-90°C (-130°F)
<b>Decomposition Temperature:</b>	No information found.
<b>Solubility in water:</b>	Miscible
<b>Specific Gravity/Density:</b>	0.78 – 0.92
<b>Molecular Formula:</b>	C <sub>3</sub> H <sub>8</sub> O
<b>Molecular Weight:</b>	60.0554

## Section 10 - Stability and Reactivity

**Chemical Stability:**

Under normal storage conditions, peroxidizable compounds can form and accumulate peroxides, which may explode when subjected to heat or shock.

**Conditions to Avoid:**

Incompatible materials, light, ignition sources.

**Incompatibilities with Other Materials:**

Strong oxidizers, strong acids, strong bases, amines, ammonia, chlorine, rubber, aluminum.

**Hazardous Decomposition Products:**

Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:**

Has not been reported.

## Section 11 - Toxicological Information

**RTECS:**

CAS# 7732-18-5: ZC0110000.

CAS# 67-63-0: NT8050000.



## Material Safety Data Sheet Isopropyl Alcohol, 50-100% v/v

### LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 67-63-0:

Oral, mouse: LD50 = 3600 mg/kg

Oral, rabbit: LD50 = 6410 mg/kg

Oral, rat: LD50 = 5000 mg/kg

Skin, rabbit: LD50 = 12800 mg/kg,

Inhalation, rat: LC50 = 16000 ppm/8H.

### Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 67-63-0: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

### Epidemiology:

No information found

### Teratogenicity:

Studies have found no teratogenic effects in rats or rabbits.

### Reproductive:

See actual entry in RTECS for complete information.

### Mutagenicity:

See actual entry in RTECS for complete information.

### Neurotoxicity:

In rats exposed to concentrations of 1500 ppm or more, neurotoxicity was minimal, and the animals recovered within five hours.

## Section 12 - Ecological Information

### Ecotoxicity:

Acute aquatic effects: Fathead minnow: LC50 = 1000 mg/L/96 Hr. Golden orfe: LC50 = 8970 mg/L/48 Hr. Goldfish: LC50 = GT5000 mg/L/24 Hr.

### Environmental:

This chemical has a low potential to affect aquatic organisms, secondary waste treatment microorganisms, and the germination and growth of some plants. It is readily biodegradable and is not expected to persist in an aquatic environment. It is not likely to bioconcentrate.

## Section 13 - Disposal Considerations

Dispose of in accordance with Federal, State, and local regulations.

## Section 14 - Transport Information

### US DOT

**Shipping Name:** Isopropanol

**Hazard Class:** 3

**UN Number:** UN1219

**Packing Group:** PG II



## Material Safety Data Sheet Isopropyl Alcohol, 50-100% v/v

### Section 15 - Regulatory Information

#### US Federal

##### TSCA:

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 67-63-0 is listed on the TSCA Inventory.

##### SARA Reportable Quantities (RQ):

None of the components are on this list.

##### CERCLA/SARA Section 313:

This material contains Isopropyl alcohol (CAS# 67-63-0, 50-100%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

##### OSHA - Highly Hazardous:

None of the chemicals in this product are considered highly hazardous by OSHA.

#### US State

##### State Right to Know:

Isopropyl alcohol can be found on the following state Right-to-Know lists: California, New Jersey, Florida, Pennsylvania, Minnesota, Massachusetts.

##### California Regulations:

None.

#### European/International Regulations

##### Canadian DSL/NDSL:

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 67-63-0 is listed on Canada's DSL List.

##### Canada Ingredient Disclosure List:

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 67-63-0 is listed on Canada's Ingredient Disclosure List.

### Section 16 - Other Information

MSDS Creation Date: October 28, 1997

Revision Date: October 12, 2009

*Information in this MSDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and LabChem Inc. assumes no liability resulting from the use of this MSDS. The user must determine suitability of this information for his application.*



Lamplight Farms, Inc.  
4900 N. Lilly Road  
Menomonee Falls, WI 53051  
1-800-645-5267  
(262) 781-9590



## LAMPLIGHT ULTRA-PURE® LAMP OIL™

Filename: MSDS Ultra Pure Rev 3.doc

Revision Date: 1/9/07  
Revision 3

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: ULTRA PURE™ LAMP OIL  
SYNONYMS: Normal Paraffin, Paraffinic Hydrocarbons, LC3  
MANUFACTURER: Lamplight Farms  
ADDRESS: 4900 North Lilly Road, Menomonee Falls, WI 53051  
(800) 645-5267 262-781-9590 (8:00 AM- 4:30 PM CST) M-F

### EMERGENCY NUMBER: 1-800-308-7141 (Prosar)

For non-emergency and all other information call: 1-800-645-5267

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS Number</u>	<u>Weight %</u>
C5-20 Paraffins	64771-72-8	100 %

See Section 8 for Exposure Guidelines and Section 15 for OSHA Classification

## 3. HAZARDS IDENTIFICATION

### Emergency Overview

Water white, oily liquid. Mild hydrocarbon odor.

HEALTH HAZARD: MAY CAUSE EYE OR SKIN IRRITATION. High vapor concentrations may cause headache, stupor, dizziness, or irritation of throat and eyes

### Potential Health Effects

EYES: Irritation may occur with exposure to concentrated vapors or contact with product.

SKIN: Repeated or prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects.

INHALATION: Exposure to high concentration of vapors may result in headache and stupor.

INGESTION: Lung exposure to this product either by prolonged breathing of a mist or vomiting following ingestion, can lead to serious lung injury and possibly death.

(See section 11 for Toxicological Information).



Lamplight Farms, Inc.  
4900 N. Lilly Road  
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(262) 781-9590



## LAMPLIGHT ULTRA-PURE® LAMP OIL™

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### 4. FIRST AID MEASURES

- EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, seek medical attention.
- SKIN:** Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash affected area with mild soap. Call a physician if irritation occurs.
- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration and seek medical attention immediately. Oxygen should only be administered by trained personnel.
- INGESTION:** DO NOT INDUCE VOMITING. Seek medical advice immediately.

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### 5. FIRE FIGHTING MEASURES

#### **Flammable Properties**

FLASH POINT / METHOD:  
207°F (97° C) / PM

AUTOIGNITION TEMPERATURE:  
>392°F (200° C)

FLAMMABLE LIMITS IN AIR % BY VOLUME:  
None Expected.

FIRE AND EXPLOSION HAZARD:  
None Expected.

FIRE FIGHTING INSTRUCTIONS:  
Water spray, carbon dioxide,, dry chemical, or alcohol compatible foam is recommended.

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### 6. ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IN CASE OF A SPILL OR LEAK:

Evacuate the area and eliminate all sources of ignition. Contain the spill if possible. Material may be picked up with a solid sorbent. Dispose of only in accordance with local, state, and federal regulations.

#### CERCLA HAZARDOUS SUBSTANCE:

<u>Component</u>	<u>CERCLA RO</u>	<u>Maximum Wt. %</u>
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Contains no chemicals on the CERCLA Hazardous Substance List.



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### 7. HANDLING AND STORAGE

#### ELECTROSTATIC ACCUMULATION HAZARD:

Yes – ground all equipment.

#### USUAL SHIPPING CONTAINERS:

Tank cars, tank trucks.

#### STORAGE / TRANSPORT TEMPERATURE:

Ambient. (Product will freeze at 32° F (0° C))

#### STORAGE / TRANSPORT PRESSURE:

Ambient. (Product will freeze at 32° F (0° C))

#### LOAD / UNLOAD TEMPERATURE:

Ambient, above freezing point. (Product will freeze at 32° F (0° C))

#### STORAGE AND HANDLING MATERIALS:

Carbon steel is suitable.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Engineering Controls

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines of this section). Mechanical ventilation may be necessary if working with this product in enclosed areas and at elevated temperatures.

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#### Personal Protective Equipment

##### EYES:

When contact with liquid is possible, use a face shield and chemical goggles. Otherwise use safety glasses or goggles.

##### SKIN:

Chemical gloves should be worn to prevent repeated contact. If potential for significant exposure to liquid exists, use full protective clothing and chemical boots.

##### RESPIRATORY PROTECTION:

NIOSH-approved organic vapor air-purifying respirator, self contained breathing apparatus, or air-supplied respirators dependent on concentration.





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**Exposure Guidelines:**

No exposure limit has been set for exposure to vapors for this product. However, Lamplight and its suppliers recommend the ACGIH/OSHA/NIOSH – recommended limit of 5 mg/m<sup>3</sup> (8-hour TWA) for exposure to mists of this product.

<b><u>Component</u></b>	<b><u>OSHA PEL</u></b>	<b><u>ACGIH TLV</u></b>
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None Established.

PEL = Permissible Exposure Limits  
 TLV = Threshold Limit Value

TWA = Time Weighted Average ( 8hr.)  
 STEL = Short Term Exposure Limit (15 min.)

**Carcinogenicity**

No carcinogenic ingredients.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<p>APPEARANCE:          Yellowish, oily liquid</p> <p>ODOR:          Mild hydrocarbon / citronella odor.</p> <p>VAPOR PRESSURE (mm Hg.).          &lt;0.01 @ 68° F (20° C).</p> <p>VAPOR DENSITY (Air=1).          6.5</p> <p>SOLUBILITY IN WATER:          Negligible</p>	<p>VISCOCITY:          2.4 cSt @ 77° F (25° C).</p> <p>PHYSICAL STATE:          Liquid.</p> <p>BOILING POINT:          430-478° F (221 – 248° C).</p> <p>MELTING POINT:          N/D</p> <p>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):          0.773 @ 60°F/60°F (16°C/16°C).</p>
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**10. STABILITY AND REACTIVITY**

CONDITIONS TO AVOID:  
 High Temperatures & high energy ignition sources

INCOMPATIBILITY WITH OTHER MATERIALS:  
 Strong Oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:  
 Material does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION:  
 Will not occur



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### 11. TOXICOLOGICAL INFORMATION

**EYES:**

May cause mild, short lasting discomfort to eyes

**SKIN:**

Mildly irritating to skin with prolonged exposure.  
Toxicity: LD50>3000mg/kg

**INHALATION:**

Negligible hazard at ambient temperatures.  
Toxicity: No end point data  
Irritation: No end point data

**INGESTION:**

Minimally toxic  
Toxicity: LD50>5000mg/kg

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### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:**

Not Available.

**CHEMICAL FATE INFORMATION:**

Not Available.

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### 13. DISPOSAL CONSIDERATIONS

**SPECIAL INSTRUCTIONS:**

Evacuate the area and eliminate all sources of ignition. Contain the spill if possible. Material may be picked up with solid sorbent. Dispose of only in accordance with local state, and federal regulations.

**WASTE CLASSIFICATION:**

If discarded in its purchased form, this product is not a RCRA hazardous waste. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transforms, and mixtures may change the classification.

**EMPTY CONTAINERS:**

Empty containers retain product residue (liquid and/or vapor) can be dangerous. **DO NOT PRESSURIZE, CUT WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.** Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

(See Section 6 for CERCLA Reporting Requirements).



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**14. TRANSPORT INFORMATION**

**DOT DESCRIPTION:**

Not regulated for land transport.

**ICAO / IATA DESCRIPTION:**

Not regulated for air transport

**IMO DESCRIPTION (IMDG CODE):**

This product is not a dangerous good as defined by IMO in the IMDG Code for water transportation.

**15. REGULATORY INFORMATION**

**U.S. Federal Regulations**

**OSHA HAZARD COMMUNICATION STANDARD CLASSIFICATION:**

Nonhazardous as defined by the OSHA Hazard Communication Standard.

**TSCA INVENTORY LISTING:**

<u>Component</u>	<u>CAS Number</u>
C5-20 Paraffins	64771-72-8

**SARA 302 STATUS**

<u>Component</u>	<u>CAS Number</u>	<u>Maximum Wt. %</u>
Contains no chemicals subject to SARA 302 reporting.		

**SARA 311/312 CLASSIFICATION:**

Nonhazardous according to SARA 311/312.

**SARA 313 CHEMICALS:**

<u>Component</u>	<u>CAS Number</u>	<u>Maximum Wt. %</u>
Contains no chemicals subject to SARA 313 reporting.		
(See Section 6 for CERCLA Reporting Requirements.)		



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**State Regulations**

CALIFORNIA SAFE DRINKING WATER ACT (PROP 65) LISTING:

**Component**

**CAS Number**

\*\*No ingredients listed in this section\*\*

CALIFORNIA AIR RESOURCES BOARD Title 17, Article 2, Section 94510 Consumer Products:  
 This product is VOC exempt by 94510 (d)(1) as it has a vapor pressure below 0.1 mm Hg at 20°C.

**16. OTHER INFORMATION**

<u>Hazard Ratings</u>	<u>NFPA</u>	<u>HMIS</u>
Health:	1	1
FLAMMABILITY:	1	1
REACTIVITY:	0	0

**Revision Summary**

<u>Date</u>	<u>Description</u>
Jan 10, 2002	Document created.
June 28, 2002	Added Emergency numbers (Prosar) and Non emergency contact number.
January 9, 2007	Revised sections: 1,2,5,7,9,10,11,14,15

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