



LAMPLIGHT®

MATERIAL SAFETY DATA SHEET



1. Product and Company Identification

Material name Tiki Torch Fuel
Revision date 11/20/13
Version # 02
CAS # Mixture
Product use Fuel for outdoor patio torches and lamps.
Manufacturer/Supplier Lamplight Farms Inc.
W140 N4900 Lilly Road
Menomonee Falls, WI 53051
US
General Information: 1-888-473-1088
Contact Person: Quality Department

Emergency 24 Hour Emergency: 1-800-308-7141 (Prosar)

2. Hazards Identification

Physical state Liquid.
Appearance Gray blue
Emergency overview WARNING!

Combustible liquid and vapor. Harmful if swallowed - may enter lungs if swallowed or vomited. Causes skin irritation. High vapor concentrations may cause central nervous system effects.

OSHA regulatory status This product is hazardous according to OSHA 29 CFR 1910.1200.

Potential health effects

Routes of exposure Not applicable.

Eyes Direct contact with eyes may cause temporary irritation.

Skin Causes skin irritation.

Inhalation High vapor concentrations may cause central nervous system effects.

Ingestion Swallowing or vomiting of the liquid may result in aspiration into the lungs.

Potential environmental effects Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Distillates (petroleum), hydrotreated middle	64742-46-7	0 - 100
Distillates (petroleum), hydrotreated light	64742-47-8	0 - 100

Composition comments All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First Aid Measures

First aid procedures

Eye contact Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.

Skin contact Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse.

Inhalation If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Ingestion DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.

5. Fire Fighting Measures

Flammable properties Combustible liquid and vapor.

Extinguishing media	Suitable extinguishing media	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Fire fighting equipment/instructions		Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Specific methods		Use water with caution: Material will float and may ignite on the surface of water. Cool containers exposed to heat with water spray and remove container, if no risk is involved.
Hazardous combustion products		Carbon oxides.

6. Accidental Release Measures

Personal precautions		Wear appropriate personal protective equipment (See Section 8).
Methods for cleaning up		Absorb spill with vermiculite or other inert material, then place in a sealed container for chemical waste.
		Large Spills: Flush area with water. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

7. Handling and Storage

Handling		Avoid breathing high vapor concentrations. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.
Storage		Keep away from heat, sparks and open flame. Keep container tightly closed and in a well-ventilated place.

8. Exposure Controls / Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Distillates (petroleum), hydrotreated middle (64742-46-7)	TWA	5 mg/m ³	Inhalable fraction.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Distillates (petroleum), hydrotreated middle (64742-46-7)	PEL	5 mg/m ³	Mist.

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Distillates (petroleum), hydrotreated middle (64742-46-7)	STEL	10 mg/m ³	Mist.
Distillates (petroleum), hydrotreated light (64742-47-8)	TWA	5 mg/m ³	Mist.
	TWA	200 mg/m ³	Vapor.

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Distillates (petroleum), hydrotreated light (64742-47-8)	TWA	200 mg/m ³	Non-aerosol.

Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)

Components	Type	Value	Form
Distillates (petroleum), hydrotreated middle (64742-46-7)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.

Components	Type	Value	Form
Distillates (petroleum), hydrotreated middle (64742-46-7)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.
Mexico. Occupational Exposure Limit Values			
Components	Type	Value	Form
Distillates (petroleum), hydrotreated middle (64742-46-7)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.

Engineering controls	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields (or goggles).
Skin protection	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical & Chemical Properties

Appearance	Gray blue
Color	Gray blue
Odor	Hydrocarbon.
Odor threshold	Not available.
Physical state	Liquid.
Form	Liquid.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	671 - 878 °F (355 - 470 °C)
Flash point	145 - 275 °F (62.8 - 135 °C)
Evaporation rate	Not available.
Flammability limits in air, upper, % by volume	7
Flammability limits in air, lower, % by volume	0.7
Vapor pressure	0.1 - 0.9 mmHg (20°C)
Vapor density	5.4 - 0.82 (15.6°C)
Specific gravity	0.78 - 0.82
Solubility (water)	Insoluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	> 450 °F (> 232.2 °C)
Decomposition temperature	Not available.
Viscosity	1.4 - 3.9 cSt

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Keep away from heat, sparks and open flame.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Acute effects	Harmful if swallowed - may enter lungs if swallowed or vomited. Causes skin irritation. High vapor concentrations may cause central nervous system effects.	
Sensitization	No sensitizing effects known.	
Carcinogenicity		
ACGIH Carcinogens		
Distillates (petroleum), hydrotreated middle (CAS 64742-46-7)	A2 Suspected human carcinogen.	A4 Not classifiable as a human carcinogen.
US NTP Report on Carcinogens: Known carcinogen		
Distillates (petroleum), hydrotreated middle (CAS 64742-46-7)	Known carcinogen.	

12. Ecological Information

Ecotoxicological data Components	Test Results
Distillates (petroleum), hydrotreated light (64742-47-8)	LC50 Rainbow trout, donaldson trout (<i>Oncorhynchus mykiss</i>): 2.9 mg/l 96 hours
Ecotoxicity	Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.
Persistence and degradability	No data available.
Bioaccumulation / Accumulation	No data available.
Partition coefficient (n-octanol/water)	Not available.
Mobility in environmental media	No data available.

13. Disposal Considerations

Disposal instructions	Dispose of contents/container in accordance with local/regional/national/international regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Basic shipping requirements:

UN number	UN1268
Proper shipping name	Petroleum distillates, n.o.s.
Hazard class	Combustible Liquid
Packing group	III
Labels required	3

Additional information:

Special provisions	144, B1, IB3, T4, TP1, TP29
Packaging exceptions	150
Packaging non bulk	203

Packaging bulk 242
ERG number 128

IATA

Not regulated as dangerous goods.

IMDG

Basic shipping requirements:

UN number 3082
Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PETROLEUM DISTILLATES)
Hazard class Packing 9
group Environmental III
hazards
Marine pollutant Yes
EmS No. F-A, S-F

TDG

Basic shipping requirements:

Proper shipping name PETROLEUM DISTILLATES, N.O.S.
Hazard class 3
UN number UN1268
Packing group III

15. Regulatory Information

US federal regulations This product is not hazardous according to OSHA 29CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)
Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)
None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - Yes
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance (40 CFR 355, Appendix A) No

Section 311/312 (40 CFR 370) No

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled

WHMIS status Controlled

WHMIS classification B3 - Flammable/Combustible
D2B - Other Toxic Effects-TOXIC

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
Combustion products emitted when this product is burning may contain chemicals known to the state of California to cause cancer, birth defects or reproductive harm.

US - California Hazardous Substances (Director's): Listed substance

Distillates (petroleum), hydrotreated middle (CAS 64742-46-7) Listed.

US - Massachusetts RTK - Substance: Listed substance

Distillates (petroleum), hydrotreated middle (CAS 64742-46-7) Listed.

Distillates (petroleum), hydrotreated light (CAS 64742-47-8) Listed.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

Distillates (petroleum), hydrotreated light (CAS 64742-47-8) 10000 LBS

US - New Jersey RTK - Substances: Listed substance

Distillates (petroleum), hydrotreated middle (CAS 64742-46-7) Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Distillates (petroleum), hydrotreated middle (CAS 64742-46-7) Listed.

Distillates (petroleum), hydrotreated light (CAS 64742-47-8) Listed.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA. A HMIS® Health rating including an * indicates a chronic hazard.

HMIS® ratings Health: 2*
Flammability: 2
Physical hazard: 0

NFPA ratings Health: 2
Flammability: 2
Instability: 0

Disclaimer The information given is based on data available for the material, the components of the material, and similar materials.

Issue date 03-10-2011

Revisions: 11/20/13 – changed appearance from yellow to gray blue