



SAFETY DATA SHEET

TIKI® Brand Clean Burn Torch Fuel

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Substance

Product Name: TIKI Brand Clean
Burn Torch Fuel

Synonyms: Methyl Esters

Intended Use of the Product

Use of the Substance/Mixture:

Outdoor Lighting

Name, Address, and Telephone of the Responsible Party

Manufacturer: Lamplight Farms Inc.

Address: 4900 N. Lilly Road
Menomonee Falls, WI 53051

Telephone: 1-888-473-1088

Emergency Call: Prosar 1-800-308-7141

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Classification (GHS-US)

Eye Irrit. 2B H320

Full text of H-phrases: see section 16

Label Elements

GHS-US Labeling

Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H320 – Causes serious eye damage/eye irritation.

Precautionary Statements (GHS-US) : P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.

Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name : ME-C818D

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Fatty acids, coco, methyl esters	(CAS No) 61788-59-8	90 - 100	Category 2B, H320

Other components below reportable levels <0.1

Full text of H-phrases: see section 16

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SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye Contact: Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: May cause respiratory irritation.

Skin Contact: Contact during a long period may cause slight irritation.

Eye Contact: Causes eye irritation.

Ingestion: Ingestion is not expected to be harmful.

Chronic Symptoms: Not available

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water. Water fog. Foam. Dry Chemical Powder. Carbon Dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions are unlikely to occur under normal circumstances.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Porous material such as rags, paper, insulation, or organic clay may spontaneously combust when wetted with this material.

Reference to Other Sections: Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all unnecessary exposure. Keep away from open flames, hot surfaces, and sources of ignition

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

General Measures: Avoid all unnecessary exposure.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up:

Large Spills: Stop the flow of material, if this is without risk. Dike far ahead of spill, where this is possible, for later disposal. Cover with plastic sheet to prevent spreading. Clean, absorb and/or contain large and small with inert material such as vermiculite, dry sand or earth and place in suitable container. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Reference to Other Sections

See section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Hygiene Measures: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from ignition sources, direct sunlight, and incompatible materials.

Incompatible Materials: Strong oxidizers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation (typically 10 air changes per hour) should be used, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective goggles. Protective clothing.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Other Information: When using, do not eat, drink, or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State : Liquid

Appearance : Clear

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor	: Mild
Odor Threshold	: Not available
pH	: 6.0000 – 8.0000 (as is)
Evaporation Rate	: Estimated slower than ethyl ether
Melting Point	: 17.6 °F (-8.00 °C)
Freezing Point	: 17.6 °F (-8.00 °C)
Boiling Point	: 500 °F (260 °C)
Flash Point	: > 201 °F (93.89 °C) Pensky-Martens Closed Cup
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Estimated heavier than air
Relative Density	: Not available
Specific Gravity	: 0.8653
Solubility	: Not available
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: < 8 cPs @25C
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact
Explosion Data – Sensitivity to Static Discharge	: Not expected to present an explosion hazard due to static discharge

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Hazardous reactions are unlikely to occur under normal circumstances of use, storage and transport.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible Materials: Strong oxidizers.

Hazardous Decomposition Products: No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Causes eye irritation

Respiratory or Skin Sensitization: This product is not expected to cause skin sensitization.

Germ Cell Mutagenicity:

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Teratogenicity: Not classified

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: May cause respiratory irritation.

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SECTION 11: TOXICOLOGICAL INFORMATION

Symptoms/Injuries After Skin Contact: Contact during a long period may cause slight irritation.

Symptoms/Injuries After Eye Contact: May cause eye tearing, redness and discomfort.

Symptoms/Injuries After Ingestion: Ingestion is expected to be a low ingestion hazard

Information on Toxicological Effects - Ingredient(s)

LD50 Data:

Acute toxicity		
Dermal LD50	Rabbit	>2000 mg/kg
Oral LD50	Rat	>5000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Acute	ME-C818D	
Algae	EC50 Algae	>1000 mg/l, 72 hours
Crustacea	EC50 Daphnia	>1000 mg/l, 48 hours
Fish	LC50 Fish	>1000 mg/l, 96 hours
Acute	Fatty acids, coco, Me esters (CAS 61788-59-8)	
Fish	LC50 Fish	>1000 mg/l, 96 hours

Persistence and Degradability Readily biodegradable.

Bioaccumulative Potential Not available

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment. No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption) are expected from this component.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT Not regulated for transport as dangerous goods.

In Accordance with IMDG Not regulated for transport as dangerous goods.

In Accordance with IATA Not regulated for transport as dangerous goods.

In Accordance with TDG Not regulated for transport as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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SECTION 15: REGULATORY INFORMATION

Hazard categories	Immediate Hazard - No
	Delayed Hazard - No
	Fire Hazard – No
	Pressure Hazard – No
	Reactivity Hazard - No
SARA 302 Extremely hazardous substance:	No
SARA 311/312 hazardous chemical:	Yes
SARA 313 (TRI reporting)	Not regulated.

Other federal regulations

- Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**
Not regulated.
- Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**
Not regulated.
- Safe Drinking Water Act (SDWA)**
Not regulated.

Fatty acids, coco, methyl esters (61788-59-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

- US. Massachusetts RTK – Substance List**
Not regulated.
- US. Rhode Island RTK**
Not regulated.
- US. California Proposition 65**
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.
- US – California Proposition 65 – CRT: Listed date/Developmental toxin**
Methanol (CAS 67-56-1) Listed: March 16, 2012

Canadian Regulations

ME-C818D	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
Fatty acids, coco, methyl esters (61788-59-8)	
Listed on the Canadian DSL (Domestic Substances List)	

International Inventories

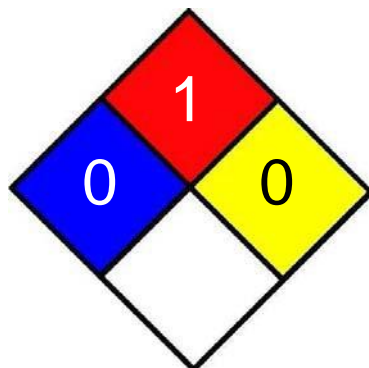
Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory 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)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory (NZIoC)	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
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). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

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SECTION 15: REGULATORY INFORMATION

NFPA ratings



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 07/30/2015

Version Number : 1

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
H320	Causes eye irritation

Party Responsible for the Preparation of This Document

Lamplight Farms Inc.

1-888-473-1088

IMPORTANT: The information on safety data sheets provided herein, while believed to be accurate and reliable, is given without guarantee or warranty of any kind expressed or implied.