

Lucas Synthetic Blend 2-Cycle LAND & SEA™

Safety Data Sheet

Date of issue: 7/31/2023

Version: GHS-US/CAN



SECTION 1: Identification

1.1. Identification

Product identifier: Lucas Synthetic Blend 2-Cycle LAND & SEA™

Product type & form: Mixture, liquid

Other means of identification: 10467, 10470, 10557, 20467, 20557

1.2. Recommended use and restriction on use

Use of the substance/mixture: Engine oil

Restrictions on use: Use only per label directions

1.3. Supplier identifier

Lucas Oil Products, Inc.
3199 Harrison Way NW
Corydon, IN 47112 USA
Toll Free: (800) 342-2512
Tel: (951) 270-0154
www.LucasOil.com

Emergency telephone numbers: ChemTel 24 hrs/day, 365 days/year
1-800-255-3924 (USA, Canada, Puerto Rico, US Virgin Islands)
1-813-248-0585 (International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS classification

Flammable Liquid, category 4: H227 - Combustible liquid
Aspiration Toxicity, category 1: H304 - May be fatal if swallowed and enters airways

2.2. Label elements (GHS)

Hazard pictograms:



Signal word: Danger

Hazard statements: H227 - Combustible liquid.

H304 - May be fatal if swallowed and enters airways.

Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. No smoking.
P280 - Wear eye protection, protective gloves.
P301+P310+P331 - If swallowed: Immediately call a POISON CENTER / doctor. Do NOT induce vomiting.
P370+P378 - In case of fire: Use carbon dioxide (CO₂), Dry chemical, foam to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not result in GHS classification

None identified.

2.4. Unknown acute toxicity

No ingredients of unknown acute toxicity identified.

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SECTION 3: Composition/information on ingredients

3.1. **Product type:** Mixture

3.2. **Hazardous ingredients**

Chemical Name	Chemical Identifier	% (w/w)	GHS classification
Distillates (petroleum), hydrotreated light	CAS # 64742-47-8	70 – 80	Flam. Liq. 4, H227 Asp. Tox. 1, H304

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret or due to batch variation.

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. **Instructions**

If medical advice is needed, have product container or label at hand. Never give anything by mouth to an unconscious person.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin contact: Gently wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

Eye contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Risk of aspiration pneumonia. If vomiting occurs have person lean forward.

4.2. **Most important symptoms and effects, both acute and delayed**

After ingestion: May be fatal if swallowed and enters airways. Abdominal cramps. Risk of aspiration pneumonia.

4.3. **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. **Extinguishing media**

Suitable media: Carbon dioxide. Dry chemical. Foam.

Unsuitable media: Do not use a solid water stream as it may scatter and spread fire.

5.2. **Special hazards arising from the substance or mixture**

Fire: Combustible liquid. Flammable vapours may accumulate in the container. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source.

Explosion: May form flammable/explosive vapour-air mixture. Flammable vapours heavier than air/can accumulate and travel to a source of ignition.

Reactivity: No dangerous reactions known.

5.3. **Advice for firefighters**

Instructions: Cool adjacent structures and containers with water spray to protect and prevent ignition.

Personal Protection: Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

SECTION 6: Accidental release measures

6.1. **Personal precautions, protective equipment and emergency procedures**

General measures: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Avoid all eye and skin contact and do not breathe vapour and mist. Evacuate unnecessary personnel. Ventilate area. Stop leak if safe to do so.

6.2. **Environmental precautions**

Do not discharge into drains or the environment.

6.3. **Methods and material for containment and cleaning up**

Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak if safe to do so. Absorb and/or contain spill with inert material, then place in suitable container for disposal.

SECTION 7: Handling and storage

7.1. **Precautions for safe handling**

Keep away from sources of ignition. - No smoking. Flammable vapours heavier than air/can accumulate. Vapour could travel to source of ignition and flash back. Handle empty containers with care because residual vapours are flammable.

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Avoid eye and skin contact with material and do not breathe vapour/mist. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Keep in fireproof place. Keep container closed when not in use. Keep away from heat, sparks and sources of ignition. Store in a dry, cool, well-ventilated area.

Incompatible products: Oxidizers. Keep away from incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Lucas Synthetic Blend 2-Cycle LAND & SEA™	
ACGIH	Not applicable
OSHA	Not applicable

Distillates (petroleum), hydrotreated light (64742-47-8)	
ACGIH	Not applicable
OSHA	Not applicable

8.2. Exposure controls

Engineering controls: Avoid splashing. Ensure good ventilation in the area where used.

Personal protection: Avoid all unnecessary exposure.

Hand / skin: Use rubber, nitrile, or neoprene gloves.

Eyes: Chemical goggles or safety glasses.

Respiratory: No special respiratory protection equipment is recommended under normal conditions of use. Where exposure through inhalation may occur during use, respiratory protection equipment is recommended.

Environmental: Prevent leakage or spillage. Prevent contaminated water run-off.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state / form:	Liquid, clear
Colour:	Blue-Green
Odour:	Petroleum
Odour threshold:	No data available
pH:	Not applicable
Melting point:	Not applicable
Freezing point:	Not applicable
Boiling point:	191.1 to 211.1°C (376 – 412°F)
Flash point:	75 °C (167°F) closed cup
Evaporation rate (BuAc=1):	No data available
Flammability (solid, gas):	Not applicable
Explosive limits:	No data available
Explosive properties:	No data available
Oxidising properties:	Not applicable
Vapour pressure:	No data available
Relative density:	0.8633
Vapour density (20 °C):	No data available
Solubility:	Insoluble in water.
Log Pow:	No data available

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- Auto-ignition temperature:** No data available
Decomposition temperature: No data available
Viscosity, kinematic: 7.5 cSt @ 100 °C (estimated: >50 cSt @ 40°C)
Viscosity, dynamic: No data available

9.2 Other information: No additional information available.

SECTION 10: Stability and reactivity

- 10.1. Reactivity:** None known. Hazardous polymerization not known to occur.
10.2. Chemical stability: Combustible liquid. Vapor may form flammable/explosive mixture with air.
10.3. Conditions to avoid: Heat, sparks, other sources of ignition. Direct sunlight.
10.4. Incompatible with: Oxidizers.
10.5. Combustion / decomposition products:
Incomplete combustion will generate: carbon oxides (CO, CO₂), aldehydes, hydrogen sulphide, mercaptans.
Hazardous decomposition is not known to occur.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Likely routes of exposure:

- Ingestion:** May be fatal if swallowed and enters airways.
Inhalation: Product does not meet criteria for hazards via this route.
Skin/Eye contact: Product does not meet criteria for hazards via this route.

Acute toxicity: Product not classified, per GHS criteria.

Distillates (petroleum), hydrotreated light (64742-47-8)	
Oral LD50 - rat	> 5000 mg/kg
Dermal LD50 - rabbit	> 2000 mg/kg

- Skin corrosion/irritation:** Product not classified, per GHS criteria.
Serious eye damage/irritation: Product not classified, per GHS criteria.
Respiratory or skin sensitisation: Product not classified, per GHS criteria.
Aspiration hazard: May be fatal if swallowed and enters airways. Symptoms following ingestion may include abdominal cramps and aspiration pneumonia.
Specific target organ toxicity:
Single exposure: Product not classified, per GHS criteria.
Repeated exposure: Product not classified, per GHS criteria.
Carcinogenicity: Product contains no ingredients known to be classified by IARC, NTP or OSHA.
Germ cell mutagenicity: Product not classified, per GHS criteria.
Reproductive toxicity: Product not classified, per GHS criteria.

SECTION 12: Ecological information

- 12.1. Toxicity:** No ecotoxicological data about this product are known.
12.2. Persistence and degradability: No data available for this product.
12.3. Bioaccumulative potential: No data available for this product.

Distillates (petroleum), hydrotreated light (64742-47-8)	
Log Kow	2.1 - 5
Bioaccumulative potential	Bioaccumulative potential.

- 12.4. Mobility in soil:** No data available for this product.
12.5. Other adverse effects: No additional information available.

SECTION 13: Disposal considerations

13.1. Recommended instructions

Do not dispose of product into sewer, septic, or water treatment systems. Waste product and container may be hazardous waste, dispose in a safe manner in accordance with local, regional, and national regulations. Handle empty containers with care because residual product vapours may be flammable/explosive in air.

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SECTION 14: Transport information

14.1. US Department of Transportation (DOT):

Transport document description: NA1993 Combustible liquid, n.o.s. (Distillates, petroleum hydrotreated light), 3, III

Note: The description above is only valid for US domestic transport, or to and from Canada. Based on the immediate package size, this product may be eligible for application of a Limited Quantity exception, OR for deregulation as a Combustible liquid in non-bulk packaging. Consult DOT regulations prior to offering for transport.

UN/NA number: NA1993
Proper Shipping Name: Combustible liquid, n.o.s. (Distillates, petroleum hydrotreated light)
Hazard class(es): 3 – Flammable and combustible liquid
Packing group: III – Minor Danger
Emergency response guide #: 128

14.2. Canada Dangerous Goods (TDG): Not currently regulated.

14.3. Transport by sea (IMDG): Not currently regulated.

14.4. Air transport (IATA): Not recommended. Contact supplier for more information.

SECTION 15: Regulatory information

15.1. US Federal regulations

All substances known present in this product are listed on the active TSCA inventory or are exempt. This product is not known to contain any substances which require export notification under TSCA Section 12(b).

15.2. International regulations

All substances known present in this product are listed or are exempt from listing/notification in the following countries:

Canada – DSL
Australia – AICS
China – IECSC
Japan – ENCS
Korea – KECI
New Zealand – NZIoC
Philippines – PICCS
Taiwan - TCSCA

15.3. US State regulations

California Proposition 65: No ingredients present at regulated levels.

SECTION 16: Other information

16.1. Date of preparation: 7/31/2023 rev. 2

16.2. Version: GHS-US/CAN

16.3. Data sources: ACGIH (American Conference of Government Industrial Hygienists).
Component Supplier SDSs.
European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>.
Kristen Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.
Manufacturer information / technical judgment.
National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition.
OSHA 29CFR 1910.1200 Hazard Communication Standard.

16.4. Abbreviations and acronyms:

ATE: Acute Toxicity Estimate.
CAS: Chemical Abstracts Service number.
EC50: Environmental Concentration associated with a response by 50% of the test population.
GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
LD50: Lethal Dose for 50% of the test population.
NFPA: National Fire Protection Association

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OSHA: Occupational Safety & Health Administration.

STEL: Short Term Exposure Limits.

TSCA: Toxic Substances Control Act.

TWA: Time Weighted Average.

SECTION 16: Other information

16.5. Full text of H-statements:

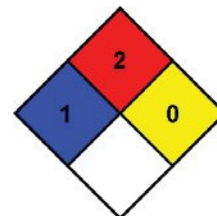
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways

16.6. Other information:

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 2 - Must be moderately heated or exposed to relatively high temperature before ignition can occur.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not be construed as guaranteeing any specific property of the product, or fitness for any use other than recommended.