

Offer Sheet

Product	Light Fusel Oil (LFO) 96% alcohol
Quantity	33,000 gallons/year
Net weight	Approximately 42,470 per ISO tank
Manufacture date	Byproduct material
Availability	Ongoing
Location	3 FOB locations: Jacksonville, FL / New Jersey / Houston, TX
Date	8/6/25
COA & SDS	Attached below



Light Fusel Oil is a byproduct of alcohol (ethanol) distillation and typically contains a mixture of low-boiling-point alcohols such as propanol, butanol, and pentanol. While once considered waste, it now serves several **commercial and industrial applications** due to its solvent properties and energy content.

1. Solvent in Industrial Cleaning

Light fusel oil can be used as a **low-cost solvent** in cleaning applications for machinery, metal surfaces, and fuel processing equipment, particularly where petroleum-based solvents are too expensive or restricted.

2. Fuel Additive or Blending Component

Due to its flammable alcohol content, light fusel oil can be blended with **fuel oil or diesel** to improve combustion or used as an additive in **industrial burners and boilers** to recover energy from waste streams.

3. Feedstock for Chemical Synthesis

It serves as a **feedstock in the production of higher-value chemicals**, such as esters and plasticizers, especially in cost-sensitive manufacturing settings.

4. Lubricant Additive Manufacturing

In some formulations, light fusel oil is used as a **reactant in making lubricant additives**, especially in base oils that require solvency or lubricity enhancement.

5. Extraction and Flotation Applications

Light fusel oil can act as a **frothing agent** in mineral flotation processes and as an **extraction solvent** in industrial separation methods, particularly in the mining and metal recovery industries.

6. Binder or Wetting Agent

In certain **agricultural or construction formulations**, it can be used as a low-grade **wetting or binding agent** in dust suppressants, emulsions, or sprays.

If interested, please call or text:

Brian Svrusis

Solvent Systems International
70 King St.

Elk Grove Village, IL 60007

847-323-6718 call or text

Click here for: [Surplus Inventory](#)

Solvent-Systems.com

LIGHT FUSEL OIL

	CERTIFICATE OF ANALYSIS	
--	--------------------------------	--

PRODUCT :	ALQUOT REF : 4
LABEL LOT CODE :	SAMPLE REF : 1
DESCRIPTION :	
BATCH SAP :	SAMPLING DATE : 2025-06-09 13:42
PROD ORDER :	COMPLETED ON :
SHELF LIFE DATE :	AUTHORISED BY :
QUALITY LOT :	PRODUCTION DATE :
SITE :	LOCATION :
COMMENT :	TRUCK REFERENCE :
	VAT :

Additional Note	Note
------------------------	-------------

--

<u>PARAMETERS</u>	<u>INTERNAL SPECS</u>	<u>LEGAL SPECS</u>	<u>RESULTS</u>	<u>UNITS</u>
ETH ACET	N/A	N/A	4.79	mg/100 mL @ 100% abv
ETH FORM	N/A	N/A	0.09	mg/100 mL @ 100% abv
MET ACET	N/A	N/A	0.00	mg/100 mL @ 100% abv
TOT EST-DIST	N/A	>= 0 and <= 0.5	os 4.9	mg/100 mL @ 100% abv
ACETALD	N/A	>= 0 and <= 1	os 1.9	mg/100 mL @ 100% abv
MEOH	N/A	>= 0 and <= 4	2.7	mg/100 mL @ 100% abv
ACETONE	N/A	N/A	0.00	mg/100 mL @ 100% abv
N-PROP	N/A	N/A	11.41	mg/100 mL @ 100% abv
SEC-BUT	N/A	N/A	0.00	mg/100 mL @ 100% abv
ISO-BUT	N/A	N/A	0.24	mg/100 mL @ 100% abv
ACT-AMYL ALC	N/A	N/A	0.00	mg/100 mL @ 100% abv
ISO-AMYL ALC	N/A	N/A	0.00	mg/100 mL @ 100% abv
N-AMYL ALC	N/A	N/A	0.00	mg/100 mL @ 100% abv
N-BUT	N/A	N/A	0.05	mg/100 mL @ 100% abv
TOT FUSEL OILS-DIST	N/A	>= 0 and <= 2	os 11.7	mg/100 mL @ 100% abv
DIACETYL	N/A	N/A	ND	mg/100 mL @ 100% abv
PENTANED	N/A	N/A	ND	mg/100 mL @ 100% abv
DIK	N/A	>= 0 and <= 0.05	ND	mg/100 mL @ 100% abv
APP PROOF	N/A	N/A	192.116	Proof °

OS: Out of Specification
ND: Not Determined

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : Fusel oil

CAS-No. : 8013-75-0

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Synthesis of substances

1.3 Emergency telephone

Emergency Phone # : 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 3), H226
Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Serious eye damage (Category 1), H318

Specific target organ toxicity - single exposure (Category 3), Respiratory system, Central nervous system, H335, H336

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard Statements

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

Precautionary Statements

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing mist or vapors.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ eye protection/ face protection.
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
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 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

3.1 Substances

Formula : C₅H₁₂O
Molecular weight :
CAS-No. : 8013-75-0
EC-No. : 801-375-0

Component	Classification	Concentration
Fusel oil		
	Flam. Liq. 3; Acute Tox. 4; Skin Irrit. 2; Eye Dam. 1; STOT SE 3; H226, H302, H315, H318, H335, H336	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

No data available

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

No data available

5.2 Special hazards arising from the substance or mixture

Carbon oxides
Combustible.

5.3 Advice for firefighters

No data available

5.4 Further information

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection see section 8.

6.2 Environmental precautions

No data available

6.3 Methods and materials for containment and cleaning up

No data available

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

No data available

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|--|--|
| a) Appearance | Form: liquid |
| b) Odor | No data available |
| c) Odor Threshold | No data available |
| d) pH | No data available |
| e) Melting point/freezing point | No data available |
| f) Initial boiling point and boiling range | 128 - 130 °C 262 - 266 °F at 1,013 hPa |
| g) Flash point | 45.5 °C (113.9 °F) - closed cup |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | No data available |

j)	Upper/lower flammability or explosive limits	No data available
k)	Vapor pressure	No data available
l)	Vapor density	No data available
m)	Density	No data available
	Relative density	No data available
n)	Water solubility	No data available
o)	Partition coefficient: n-octanol/water	No data available
p)	Autoignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	none

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

Remarks: No data available

Serious eye damage/eye irritation

Remarks: No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation., May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information

Dizziness, Drowsiness, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

No data available

SECTION 14: Transport information

DOT (US)

UN number: 1201 Class: 3

Packing group: III

Proper shipping name: Fusel oil

Reportable Quantity (RQ):

Poison Inhalation Hazard: No

IMDG

UN number: 1201 Class: 3

Packing group: III

EMS-No: F-E, S-D

Proper shipping name: FUSEL OIL

IATA

UN number: 1201 Class: 3

Packing group: III

Proper shipping name: Fusel oil

SECTION 15: Regulatory information

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Fire Hazard
Acute Health Hazard

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

The ingredients of this product are reported in the following inventories:

TSCA : All substances listed as active on the TSCA inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16: Other information