

# Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

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

### 1.1 Product identifier

Trade name: **Zippo Lighter Fluid**

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

No further relevant information available.

Application of the substance / the mixture: Fuel

Uses advised against: No further relevant information available.

### 1.3 Details of the supplier of the Safety Data Sheet

#### Manufacturer/Supplier:

Zippo Manufacturing Company  
33 Barbour Street  
Bradford, PA 16701 USA  
Tel +1 814 368 2700



Only representative of a non-Community manufacturer

INTERTEK FRANCE

ZAC Ecoparc II

27400, HEUDEBOUVILLE

France

Tel +33 2 32 09 36 36

### 1.4 Emergency telephone number:

ChemTel Inc.

(800)255-3924 (North America)

+1 (813)248-0585 (International)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS02 GHS07 GHS08 GHS09

Signal word Danger

#### Hazard-determining components of labelling:

Distillates (petroleum), light distillate hydrotreating process, low-boiling

(Cont'd. on page 2)

# Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

**Trade name: Zippo Lighter Fluid**

(Cont'd. from page 1)

Distillates (petroleum), light distillate hydrotreating process, low-boiling

- **Hazard statements**

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H304 May be fatal if swallowed and enters airways.
- H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P271 Use only outdoors or in a well-ventilated area.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Labelling of packages where the contents do not exceed 125 ml**

- **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Distillates (petroleum), light distillate hydrotreating process, low-boiling  
 Distillates (petroleum), light distillate hydrotreating process, low-boiling

- **Hazard statements**

- H336 May cause drowsiness or dizziness.
- H304 May be fatal if swallowed and enters airways.

- **Precautionary statements**

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P271 Use only outdoors or in a well-ventilated area.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
- P331 Do NOT induce vomiting.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards** There are no other hazards not otherwise classified that have been identified.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

(Cont'd. on page 3)

# Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

Trade name: Zippo Lighter Fluid

(Cont'd. from page 2)

## SECTION 3: Composition/information on ingredients

### · 3.2 Mixtures

#### · Components:

CAS: 68410-97-9 EINECS: 270-093-2 Index number: 649-332-00-3 Reg.nr.: 01-2120082608-48-XXXX	Distillates (petroleum), light distillate hydrotreating process, low-boiling ----- ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	50-100%
CAS: 64742-49-0 EINECS: 265-151-9 Index number: 649-328-00-1 Reg.nr.: 01-2119475133-43-XXXX	Distillates (petroleum), light distillate hydrotreating process, low-boiling ----- ⚠ Flam. Liq. 2, H225 ⚠ Asp. Tox. 1, H304 ⚠ Aquatic Chronic 2, H411 ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	25-50%

· **Additional information:** For the wording of the listed Hazard Statements refer to section 16.

## SECTION 4: First aid measures

### · 4.1 Description of first aid measures

#### · After inhalation:

Supply fresh air; consult doctor in case of complaints.  
 Provide oxygen treatment if affected person has difficulty breathing.  
 In case of unconsciousness place patient stably in side position for transportation.

#### · After skin contact:

Immediately remove any clothing soiled by the product.  
 Immediately wash with water and soap and rinse thoroughly.  
 If skin irritation is experienced, consult a doctor.

#### · After eye contact:

Protect unharmed eye.  
 Remove contact lenses if worn.  
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

#### · After swallowing:

Rinse out mouth and then drink plenty of water.  
 Do not induce vomiting; call for medical help immediately.  
 A person vomiting while lying on their back should be turned onto their side.

### · 4.2 Most important symptoms and effects, both acute and delayed

Breathing difficulty  
 Coughing  
 Dizziness  
 Gastric or intestinal disorders when ingested.  
 Irritant to skin and mucous membranes.

#### · Hazards:

Vapours have narcotic effect.  
 May be fatal if swallowed and enters airways.

### · 4.3 Indication of any immediate medical attention and special treatment needed

(Cont'd. on page 4)

# Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

**Trade name: Zippo Lighter Fluid**

(Cont'd. from page 3)

If swallowed, gastric irrigation with added, activated carbon.  
 If swallowed or in case of vomiting, danger of entering the lungs.  
 Monitor circulation, possible shock treatment.  
 If necessary oxygen respiration treatment.  
 Later observation for pneumonia and pulmonary oedema.  
 If medical advice is needed, have product container or label at hand.

## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Carbon monoxide (CO)  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.
- **Additional information:** Cool endangered receptacles with water fog or haze.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation  
Wear protective clothing.  
Particular danger of slipping on leaked/spilled product.  
Keep away from ignition sources.  
Protect from heat.
- **6.2 Environmental precautions**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **6.3 Methods and material for containment and cleaning up**  
Absorb liquid components with liquid-binding material.  
Send for recovery or disposal in suitable receptacles.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Use only in well ventilated areas.  
Prevent formation of aerosols.

(Cont'd. on page 5)

# Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

**Trade name: Zippo Lighter Fluid**

(Cont'd. from page 4)

Keep receptacles tightly sealed.

· **Information about fire - and explosion protection:**

Protect from heat.

Protect against electrostatic charges.

Flammable gas-air mixtures may form in empty receptacles.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Use only receptacles specifically permitted for this substance/product.

· **Information about storage in one common storage facility:**

Store away from oxidising agents.

Store away from foodstuffs.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

· **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs:** No further relevant information available.

· **PNECs:** No further relevant information available.

· **8.2 Exposure controls**

· **Engineering measures** Provide adequate ventilation.

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid close or long term contact with the skin.

Keep ignition sources away - Do not smoke.

· **Respiratory protection:**

Not required under normal conditions of use.

Use suitable respiratory protective device when aerosol or mist is formed.

For spills, respiratory protection may be advisable.

· **Protection of hands:**

Not required under normal conditions of use.

Wear protective gloves to handle contents of damaged or leaking units.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

· **Body protection:** Not required under normal conditions of use.

(Cont'd. on page 6)

# Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

Trade name: Zippo Lighter Fluid

(Cont'd. from page 5)

- **Limitation and supervision of exposure into the environment:**  
No further relevant information available.
- **Risk management measures:** See Section 7 for additional information.

## SECTION 9: Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · Appearance

Form: Liquid  
Colour: According to product specification

· Odour: Petroleum-like  
· Odour threshold: Not determined.

· pH-value: Not determined.  
· Melting point/freezing point: Not determined.  
· Initial boiling point and boiling range: > 35 °C

· Flash point: <-6.5 °C

· Flammability (solid, gas): Not applicable.

· Decomposition temperature: Not determined.

· Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

#### · Explosion limits

Lower: Not determined.  
Upper: Not determined.

· Vapour pressure: Not determined.

· Density at 20 °C: 0,7 ± 0,05 g/cm<sup>3</sup>

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate at 20 °C: > 1 (Voda = 1)

· Solubility in / Miscibility with water: Fully miscible.

· Partition coefficient: n-octanol/water: Not determined.

#### · Viscosity

Dynamic: Not determined.  
Kinematic: Not determined.

· **9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**

(Cont'd. on page 7)

# Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

**Trade name: Zippo Lighter Fluid**

(Cont'd. from page 6)

No decomposition if used according to specifications.

- **10.3 Possibility of hazardous reactions**

Forms explosive gas mixture with air.

Can react violently with oxygen rich (oxidising) material. Danger of Explosion.

- **10.4 Conditions to avoid**

Keep ignition sources away - Do not smoke.

Store away from oxidising agents.

- **10.5 Incompatible materials** No further relevant information available.

- **10.6 Hazardous decomposition products** Carbon monoxide and carbon dioxide

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:** None.

- **Primary irritant effect**

- **Skin corrosion/irritation:**

Causes skin irritation.

- **Serious eye damage/irritation:** Based on available data, the classification criteria are not met.

- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

- **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

- **Probable routes of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):**

May be fatal if swallowed and enters airways.

Irritating to skin.

May cause drowsiness or dizziness.

- **Repeated dose toxicity:** No further relevant information available.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

- **Carcinogenicity:** Based on available data, the classification criteria are not met.

- **Reproductive toxicity:** Based on available data, the classification criteria are not met.

- **STOT-single exposure:**

May cause drowsiness or dizziness.

- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

- **Aspiration hazard:**

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:** Toxic to aquatic life with long lasting effects.

- **12.2 Persistence and degradability** Not easily biodegradable.

- **12.3 Bioaccumulative potential** No further relevant information available.

(Cont'd. on page 8)

## Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

Trade name: Zippo Lighter Fluid


(Cont'd. from page 7)

- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
This statement was deduced from the properties of the single components.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **DOT, ADR, IMDG, IATA** UN1268
- **14.2 UN proper shipping name**
-  Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3 gal).
- **DOT, IATA** Petroleum distillates, n.o.s.
- **ADR, IMDG** PETROLEUM DISTILLATES, N.O.S.
- **14.3 Transport hazard class(es)**
- **DOT**



(Cont'd. on page 9)



# Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

Trade name: Zippo Lighter Fluid

(Cont'd. from page 8)

· **Class** 3 Flammable liquids.  
 · **Label** 3

· **ADR**

· **Class** 3 (F1) Flammable liquids.  
 · **Label** 3

· **IMDG, IATA**

· **Class** 3 Flammable liquids.  
 · **Label** 3

· **14.4 Packing group**  
 · **DOT, ADR, IMDG, IATA** II

· **14.5 Environmental hazards:** Product contains environmentally hazardous substances: Distillates (petroleum), light distillate hydrotreating process, low-boiling, Distillates (petroleum), light distillate hydrotreating process, low-boiling

· **14.6 Special precautions for user** Warning: Flammable liquids.  
 · **Danger code (Kemler):** 33  
 · **EMS Number:** F-E,S-E

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients are listed.

· **Directive 2012/18/EU**

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **National regulations:**

· **Water hazard class:** Water hazard class 3: extremely hazardous for water.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

(Cont'd. on page 10)

# Safety Data Sheet

according to 1907/2006/EC

Printing date: 18 January 2018

Revision: 18 January 2018

**Trade name: Zippo Lighter Fluid**

(Cont'd. from page 9)

None of the ingredients are listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H225 Highly flammable liquid and vapour.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

- **Abbreviations and acronyms:**

LDLo: Lowest Lethal Dose Observed  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bio-accumulable, Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Asp. Tox. 1: Aspiration hazard – Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

- **Sources**

Website, European Chemicals Agency (echa.europa.eu)  
 Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)  
 Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)  
 Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6  
 Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.  
 Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

Tampa, Florida USA 33602-2902

Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573

Website: www.chemtelinc.com