

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 01/12/2023 Version: 1.0

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

#### 1.1. Product identifier

Product form : Substance (UVCB)  
Product name : Bartoline BBQ Lighting Fluid  
Substance name : Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics  
EC-No. : 926-141-6  
EU REACH registration No : 01-2119456620-43-XXXX  
Product group : End product

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : A fuel for lighting charcoal Barbecues.

##### 1.2.2. Uses advised against

Restrictions on use : Not to be used for cleaning skin as this may lead to skin disorders. Not to be used indoors  
Reason: Use indoors would potentially give excessive exposure to harmful vapours

#### 1.3. Details of the supplier of the safety data sheet

##### EU Supplier

Bartoline Ireland Limited  
Unit 3D North Point House  
North Point Business Park  
New Mallow Road  
Cork T23 AT2P  
Ireland  
+353212066441  
[info@bartoline.eu](mailto:info@bartoline.eu)

#### 1.4. Emergency telephone number

Emergency number : +44(0)1482 678710 (BST during DST, otherwise GMT)  
8.30am - 4.45pm Monday to Friday  
NHS 111 - General Public (24 Hour service)

Country	Organisation/Company	Address	Emergency number
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)

Also, in the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aspiration hazard, Category 1 H304  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

May be fatal if swallowed and enters airways.

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS08

Signal word (CLP) : Danger  
Contains : Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics  
Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.  
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read carefully and follow all instructions.  
P301+P310+P331- IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking.  
Extra phrases : Just a sip of grill lighter fluid may lead to life threatening lung damage.

### 2.3. Other hazards

This substance does not meet the PBT criteria of REACH regulation, annex XIII  
This substance does not meet the vPvB criteria of REACH regulation, annex XIII  
Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

This UVCB substance does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %  
This UVCB substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance Type : Unknown Or Variable Composition, Complex Reaction Products Or Of Biological Materials (UVCB)

Name	Product identifier	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	EC-No.: 926-141-6 EU REACH Registration No.: 01-2119456620-43-XXXX	Asp. Tox. 1, H304 EUH066

Full text of H- and EUH-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Remove victim to uncontaminated area. Call a poison center or a doctor if you feel unwell.

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
First-aid measures after skin contact	: Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse
First-aid measures after eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
First-aid measures after ingestion	: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband
Personal Protective Equipment For First Aiders	: Wear recommended personal protective equipment (For further information refer to section 8: "Exposure controls/personal protection") if contact/exposure with the product is likely. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

Symptoms/effects after ingestion	: Nausea or vomiting. Risk of lung oedema, can lead to development of severe pulmonary lesions.
Symptoms/effects after skin contact	: Causes dryness and/or cracking. May cause irritation.
Symptoms/effects after eye contact	: May cause eye irritation, Redness and/or pain.
Symptoms/effects after inhalation	: May cause respiratory irritation and/or cough.

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

Treat symptomatically. However, if swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hours).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	: Do not use a heavy water stream.

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

Fire hazard	: The vapours are denser than air and may travel along the ground. Distance ignition possible.
Explosion Hazard	: In a fire or if heated, a pressure increase will occur and the container may burst
Hazardous decomposition products in case of fire	: Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, oxides of nitrogen, various hydrocarbons, aldehydes and soot. These may be harmful or toxic if inhaled in confined spaces or at high concentrations.

### 5.3. Advice for firefighters

Precautionary measures fire	: Avoid breathing vapours from fire. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Firefighting instructions	: For containers exposed to flames, cool laterally with water, even after the fire is extinguished.

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Protection during firefighting	: Wear fire/flare resistant/retardant clothing. In confined space use self-contained breathing apparatus with a full face piece respirator operated in positive pressure mode. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incident.
Other information	: Keep run-off water out of sewers and water sources. Containers close to fire should be removed or cooled with water.

## Section 6: Accidental release measures

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

General measures	: Evacuate area.
<b>6.1.1. For non-emergency personnel</b>	
Protective equipment	: Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Keep unnecessary and unprotected personnel away from the spillage. Do not touch or walk on the spilled product. Wash thoroughly after dealing with a spillage.
<b>6.1.2. For emergency responders</b>	
Protective equipment	: Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment. Material insoluble in water. may spread in water systems. Do not discharge into drains or the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

For containment	: Eliminate sources of ignition. No open flames. No smoking. Stop leak if without risk. Move containers from spill area
Methods for cleaning up	: Absorb excess liquid spillage on inorganic adsorbent material such as fine sand, brick dust etc. Place spent adsorbent in sealed packages and contact specialist waste disposal contractor. Cover with: Alcohol resistant foam.

### 6.4. Reference to other sections

For further information on personal protection refer to section 8: "Exposure controls/personal protection". For further information on Disposal Considerations refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Read label before use. Do not handle until all safety precautions have been read and understood. Avoid inhalation of vapours. Avoid contact with skin and eyes. Keep away from heat, sparks and flame. When not in use, keep containers tightly closed. Keep out of reach of children. Do not handle this product together with acids and oxidants due to incompatibility. Avoid spilling product and keep away from drains.
Hygiene measures	: Do not eat, drink or smoke when using this product. After contact with skin, wash immediately and thoroughly with water and soap. Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothing and protective equipment before entering eating areas.

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use (i.e. avoid storage with strong acids and oxidising agents). Keep locked up and out of reach of children.
- Incompatible Products : acids and oxidants.

### 7.3. Specific end use(s)

For use only as a fuel to ignite charcoal barbecues. Always follow on pack instructions when using this product. Apply "common sense" measures when handling this product. Ensure all use is undertaken outdoors. Keep out of reach of children. NEVER SPRAY LIGHTING FLUID ONTO LIT COALS. After spraying the lighting fluid onto the charcoal replace the cap immediately and store the container in a safe place away from barbecue. As this product is supplied as a BBQ Lighting Fluid it is assumed that it will be used outdoors and therefore sufficient natural ventilation will be present to keep vapour levels low. For exposure scenarios, see after Section 16.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)	
Advisory OEL (CEFIC-HSPA)	
OEL TWA	1200 mg/m <sup>3</sup>

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Do not attempt to take action without suitable protective equipment. Appropriate engineering controls.

##### Personal protective equipment symbol(s):



# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 8.2.2.1. Eye and face protection

#### Eye protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields

### 8.2.2.2. Skin protection

#### Hand protection:

If repeated and/or prolonged skin exposure to the substance is likely, then wear suitable gloves tested to EN374. Can use nitrile gloves (glove thickness > 0.55 mm, break through time > 480 min)

#### Other skin protection

Not required for normal conditions of use

#### Materials for protective clothing:

Not required for normal conditions of use

### 8.2.2.3. Respiratory protection

#### Respiratory protection:

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: Wear a respirator conforming to EN140 with type A filter or better

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Dispose of waste in accordance with environmental legislation.

#### Consumer exposure controls:

Keep container tightly closed.

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Colourless.
Appearance	: Clear liquid.
Odour	: Faint hydrocarbons
Odour threshold	: Not available
Melting point/Freezing Point	: Not available
Boiling point	: 190 – 280 °C (ISO 3405)
Flammability	: Non-flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat
Lower explosion limit	: 0.5%
Upper explosion limit	: 6%
Flash point	: > 75 °C (ISO 2719)
Auto-ignition temperature	: > 220 °C [ASTM E 659-78]
Decomposition temperature	: Not available
pH	: Not applicable.
Viscosity, kinematic	: < 20.5 mm <sup>2</sup> /s @ 40 °C (ASTM D 445)
Viscosity, dynamic	: Not available
Solubility	: Soluble in organic solvents but insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: > 4
Vapour pressure	: 0.15 hPa @ 20°C (EN 13016-1)
Vapour pressure at 50 °C	: Not available
Density	: 0.81 g/cm <sup>3</sup> Type: 'density' Temp.: 15 °C
Relative density	: 815 kg/m <sup>3</sup> @ 15 °C (ISO 12185)
Relative vapour density at 20 °C	: > 1 [Air = 1)
Particle characteristics	: Not applicable

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No information available

#### 9.2.2. Other safety characteristics

VOC content :  $\leq$  805 g/l  
Evaporation Rate : 600 (anhydrous ether =1) DIN 53170

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal processing.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Heat (temperatures above flash point), sparks, ignition points, flames, static electricity. Take precautionary measures against static discharges. Never pressurise packagings as they will not resist.

### 10.5. Incompatible materials

Acids. Oxidizing agent.

### 10.6. Hazardous decomposition products

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. However, under normal conditions of storage and use, hazardous decomposition products should not be produced

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Based on available data, the classification criteria are not met.  
Acute toxicity (dermal) : Based on available data, the classification criteria are not met.  
Acute toxicity (inhalation) : Based on available data, the classification criteria are not met.

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

LD50 oral	> 15000 mg/kg bodyweight Animal: rat , Guideline: OECD 401 (Acute Oral Toxicity)
LD50 dermal (Read Across from Hydrocarbons, C11-C14, n-alkanes, <2% aromatics; EC No.:924-803-9)	> 5000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation (Read Across from Hydrocarbons, C11-C13, isoalkanes, <2% aromatics; EC No.: 920-901-0)	> 4 951 mg/m <sup>3</sup> air, Exposure: 4h, Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

Skin corrosion/irritation : Based on available data, the classification criteria are not met  
pH: Not applicable.

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

Read Across from Hydrocarbons, C11-C14, n-alkanes, <2% aromatics; EC No.: 924-803-9:

Not irritating (based on severity from mean scores and no signs of irreversible damage), Animal; rabbit, Guideline: OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Read Across from Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), Ec-No.:925-653-7:

Not irritating (based on severity from mean scores and no signs of irreversible damage), Animal; rabbit, Guideline: OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Serious eye damage/irritation : Based on available data, the classification criteria are not met  
pH: Not applicable.

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

Read Across from Hydrocarbons, C11-C14, n-alkanes, <2% aromatics; EC No.: 924-803-9:

Not irritating (based on severity from mean scores and no signs of irreversible damage), Animal; rabbit, Guideline: OECD Guideline 405 (Acute Eye Irritation / Corrosion)

Read Across from Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatics, Ec-No.:920-134-1:

Not irritating (based on severity from mean scores and no signs of irreversible damage), Animal; rabbit, Guideline: OECD Guideline 405 (Acute Eye Irritation / Corrosion)

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

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

Read Across from Hydrocarbons, C11-C14, n-alkanes, <2% aromatics; EC No.: 924-803-9:

Not sensitising – only 4/15 animals (<30%) had a positive response at a 0.5% dose; Animal; guinea pig, Guideline: OECD Guideline 406 (Skin Sensitisation) - guinea pig maximisation test

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

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

Negative Result, Method; *in-vitro*, Guideline: OECD Guideline 473 (In Vitro Mammalian Chromosome Aberration Test)

Read Across from Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (EC No.: 918-481-9):

Negative Result, Method; *in-vitro*, Guideline: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Read Across from Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics (EC No.: 918-481-9):

Negative Result, Method; *in-vivo*, Guideline: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

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

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

With regard to the molecular structure of the substances, no carcinogenic potential is expected. Moreover, in investigations on substance specific and read across mutagenicity (in vitro and in vivo) as well as in repeated dose toxicity studies (oral route), neither genotoxicity nor an indication for neoplastic lesions was observed.

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

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

NOAEC Inhalation (Read Across from Hydrocarbons, C9-C11, isoalkanes, cyclics, <2% aromatics, EC No.:920-134-1) > 5220 mg/m<sup>3</sup>, Animal: rat.; Guideline: OECD Guideline 414 (Prenatal Developmental Toxicity Study)

No adverse developmental health effects were seen.

STOT-single exposure : Based on available data, the classification criteria are not met

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

OECD 401 (Acute Oral Toxicity)

No adverse health effects (that are relatable in humans) were seen at concentrations up to 15000 mg/kg/bodyweight, Animal:Rat

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

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

NOAEL oral

> 1000 mg/kg/bw/day, Animal: rat, Duration; 90 d; Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)  
No adverse health effects (that are relatable in humans) were seen.

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Aspiration hazard : May be fatal if swallowed and enters airways.

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

Viscosity, kinematic < 20.5 mm<sup>2</sup>/s @ 40 °C (ASTM D 445)

## 11.2. Information on other hazards

### 11.2.1 Endocrine Disrupting Properties

This UVCB substance does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %  
This UVCB substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 11.2.2 Other Information

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Based on available data, the classification criteria are not met  
Hazardous to the aquatic environment, long-term (chronic) : Based on available data, the classification criteria are not met

### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

LL50 96h - Fish	> 1000 mg/L Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri), Guideline: OECD Guideline 203
LL50 48h - Crustacea	> 1000 mg/L Test organisms (species): Daphnia magna, Guideline: OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
EL50 72h – Algae (Read Across from Hydrocarbons, C11-C13 (odd numbered), n-alkanes, <2% aromatics, EC-No.: 942-924-5)	> 100 mg/L Test organisms (species): Raphidocelis subcapitata, Guideline: OECD Guideline 201 (Alga, Growth Inhibition Test)
EL10 60d - Fish	34.2 mg/L Test organisms (species): Oncorhynchus mykiss, Guideline: QSAR Petrotox
NOELR 21d - Crustacea (Read Across from Hydrocarbons, C11-C13 (odd numbered), n-alkanes, <2% aromatics, EC-No.: 942-924-5)	> 10 mg/L Test organisms (species): Daphnia magna, Guideline: OECD Guideline 211 (Daphnia magna Reproduction Test)
NOELR 72h – Algae (Read Across from Hydrocarbons, C11-C13 (odd numbered), n-alkanes, <2% aromatics, EC-No.: 942-924-5)	> 100 mg/L Test organisms (species): Raphidocelis subcapitata, Guideline: OECD Guideline 201 (Alga, Growth Inhibition Test)

### 12.2. Persistence and degradability

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

Persistence and degradability The test substance, a multi-component substance, biodegraded to an extent of 69% after 28 days. The data support characterizing the test substance as rapidly biodegradable, readily biodegradable, not expected to persist in the environment under aerobic conditions. Although it did not meet the 10-day window requirement, it is characterized as readily biodegradable because the criterium is not applied to multi-component substances when assessing their ready biodegradability.

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 12.3. Bioaccumulative potential

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

Bioaccumulative potential	Substance is a UVCB. Standard tests for this endpoint are not appropriate. $\text{Log}_{ow} > 4$ , Potential to bioaccumulate is high
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### 12.4. Mobility in soil

#### Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)

Additional information	Substance is a UVCB. Standard tests for this endpoint are not appropriate. However, given its physical and chemical characteristics, the product generally shows low soil mobility.
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### 12.5. Results of PBT and vPvB assessment

This UVCB substance is not assessed to meet the PBT criteria of REACH regulation, annex XIII

This UVCB substance is not assessed to meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

### 12.6. Endocrine disrupting properties

This UVCB substance does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

This UVCB substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 12.7. Other adverse effects

There are no other known adverse effects, as of yet, for this UVCB substance

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

This product is classified as Hazardous Waste as it is supplied.

Waste generation should be avoided or minimised where possible. When handling waste, the safety precautions applying to handling of the product should be considered. Label the containers containing waste and remove from the area as soon as possible. Label the containers containing waste contaminated material and remove from the area as soon as possible.

Product disposal to sewer should be avoided, if possible, and only be carried out after treatment, and under relevant rules, e.g. Consent to Discharge. Where wastes undergo disposal, external recovery or treatment, it must comply with the requirements of environmental protection, waste disposal legislation and any local authority requirements. If wastes undergo incineration, they must be suitable for it at an approved facility.

Used packaging waste should be reused or recycled, if uncontaminated. Contaminated packaging should be cleaned on site, if appropriate facilities exist, including any relevant rules or permits, or offsite by a specialist provider. Contaminated packaging which cannot be safely cleaned must be treated in the same way as the product, and should only be disposed of as a last resort.

List of waste code is 13 07 03\* - other fuels (including mixtures). These codes have been assigned based on the actual composition of the product as supplied. Seek advice from a hazardous waste specialist for waste classification.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number or ID number</b>				
Not applicable	Not applicable	Not applicable	UN 9003	Not applicable

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

ADR	IMDG	IATA	ADN	RID
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	SUBSTANCES WITH A FLASH-POINT ABOVE 60°C AND NOT MORE THAN 100°C	Not applicable
<b>Transport document description</b>				
Not applicable	Not applicable	Not applicable	UN9003, SUBSTANCES WITH A FLASH-POINT ABOVE 60°C AND NOT MORE THAN 100°C, 9	Not applicable
<b>14.3. Transport hazard class(es)</b>				
-	-	-	9	-
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
For ADN; The product is only regulated as a dangerous good when transported in tank vessel(s) (hence Bartoline BBQ Lighting Fluid as sold/supplied by Bartoline is not a dangerous good under ADN since it is only transported as a packaged good).				

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Inland waterway transport

Not applicable

#### Rail transport

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

##### Entry 3 on Restriction List

Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008:

- a) hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F;
- b) hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10; (the hazard class 3.10 relates this product to this restriction).
- c) hazard class 4.1
- d) hazard class 5.1

Conditions of Restriction:

1. Shall not be used in:
  - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
  - tricks and jokes,
  - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
2. Articles not complying with paragraph 1 shall not be placed on the market.
3. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
  - can be used as fuel in decorative oil lamps for supply to the general public, and,
  - present an aspiration hazard and are labelled with H304,
4. Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
5. Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
  - a) lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage";
  - b) grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: 'Just a sip of grill lighter fluid may lead to life threatening lung damage';
  - c) lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.'

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

This product, Bartoline BBQ Lighting Fluid (Substance Name; Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)) is related to this restriction (more specifically by Entry 3b) of Restriction List.

This product, Bartoline BBQ Lighting Fluid (Substance Name; Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)), when placed on the market as a fuel to ignite charcoal barbecues, is therefore not used in ornamental articles intended to produce light or colour effects by means of different phases, tricks, jokes and games for one or more participants, and thus fulfils condition 1 of this restriction.

This product, Bartoline BBQ Lighting Fluid (Substance Name; Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)), when placed on the market as a fuel to ignite charcoal barbecues, is not an article and thus fulfils conditions 2 & 4 of this restriction.

This product, Bartoline BBQ Lighting Fluid (Substance Name; Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)), when placed on the market as a fuel to ignite charcoal barbecues, therefore condition 3 of this restriction is not applicable to it.

This product, Bartoline BBQ Lighting Fluid I (Substance Name; Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)), when placed on the market as a fuel to ignite charcoal barbecues, is labelled with H304 and "Just a sip of grill lighter fluid may lead to life threatening lung damage" and thus fulfils condition 5b of this restriction..

This product, Bartoline BBQ Lighting Fluid (Substance Name; Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (926-141-6)), when placed on the market as a fuel to ignite charcoal barbecues, is packaged in black opaque containers not exceeding 1 litre and thus fulfils condition 5c of this restriction.

### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

### VOC Directive (2004/42)

VOC content : < 805 g/l

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.2. Chemical safety assessment

A chemical safety assessment has been carried out for this substance.

## SECTION 16: Other information

### Indication of changes:

Due to change of classification database the revision numbering has been reset. You should therefore look at the revision date rather than the revision number to ensure you have the most up to date version.

Full text of H- and EUH-statements:	
Asp. Tox. 1	Aspiration hazard, Category 1
EUH066	Repeated exposure may cause skin dryness or cracking.
H304	May be fatal if swallowed and enters airways.

### Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
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# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.:	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

Safety Data Sheet (SDS), EU

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 therefore be construed as guaranteeing any specific property of the product.

### Key literature references and sources for data

- ECHA (European Chemicals Agency). <http://echa.europa.eu/>, - REACH disseminated dossiers of substances included in Section 3

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

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- Supplier's Safety documents

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 1. Exposure scenario

#### Use as a fuel, Professional.

##### Use Descriptor

##### Sector of use

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

##### Process category

PROC1 - Use in closed process, no likelihood of exposure

PROC2 - Use in closed, continuous process with occasional controlled exposure

PROC3 - Use in closed batch process (synthesis or formulation)

PROC8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC16 - Using material as fuel sources, limited exposure to unburned product to be expected

##### Environmental release category

ERC9a - Wide dispersive indoor use of substances in closed systems

ERC9b - Wide dispersive outdoor use of substances in closed systems

##### Processes, tasks, activities covered

Covers the use as a fuel (or fuel additive) and includes activities associated with its transfer, use, equipment maintenance and handling of waste.

### 2. Operational conditions and risk management measures

#### 2.1. Control of environmental exposure

##### Product characteristics

Not applicable.

##### Amounts used

Not applicable

##### Environment factors not influenced by risk management

Not applicable

##### Other operational conditions of use affecting environmental exposure

Not applicable.

##### Technical conditions and measures at process level to prevent release

Not applicable.

##### Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil

Not applicable

##### Organizational measures to prevent/limit release from the site

Not applicable.

##### Conditions and measures related to municipal sewage treatment plant

Not applicable

##### Conditions and measures related to external treatment of waste for disposal

Not applicable.

##### Conditions and measures related to external recovery of waste

Not applicable.

#### 2.2. Control of exposure - Workers or Consumers

##### Product characteristics

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Physical state

liquid

### Concentration of substance in product

Covers percentage substance in the product up to 100 % (unless stated differently).

### Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently)

### Other operational conditions affecting exposure

Assumes a good basic standard of occupational hygiene is implemented.

## 2.2a. Control of worker exposure

Contributing Scenarios	Operational conditions and risk management measures
------------------------	---

### Remarks

The CLP hazard statement H304 (May be fatal if swallowed and enters airways) relates to a risk of aspiration which is associated to a non-quantifiable hazard determined by kinematic viscosity.

This risk may arise if swallowed but also in case of vomiting after ingestion. The toxicity hazard of aspiration, although being a hazard for health, does not result from any observed toxicological effect characterized by a dose-response. Therefore no DNEL can be derived.

Operational Conditions (OCs) and implementation of Risk Management Measures (RMMs) need to be proportional to the degree of concern for the health hazard presented by the substance.

The exposure by ingestion should not exist in the case of any permitted uses of the substance. The hazard statement H304 is related to a misuse that should not occur during the identified uses stated in section 1.2 of Material Safety Data Sheet (MSDS). In case of any risk, it should be controlled by implementing RMMs tailored specifically. For any substance classified H304, these RMMs should be communicated via the MSDS by the use of the following statement: « Do not ingest. If swallowed then seek immediate medical assistance », to cover this risk.

## 2.2b. Control of consumer exposure

Product Category(ies)	Operational conditions and risk management measures
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### Remarks

Not applicable.

## 3. Exposure estimation and references

### Health

Not applicable

### Environment

Not applicable.

## 4. Guidance for Downstream User (DU) to check compliance with the Exposure scenario

### Health

Available hazard data do not support the need for a DNEL to be established for other health effects.

Risk Management Measures are based on qualitative risk characterisation.

### Environment

Not applicable.

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 1. Exposure scenario

Use as a fuel, Consumer.

#### Use Descriptor

##### Sector of use

SU21 - Private households (= general public = consumers)

#### Product category

PC13 - Fuels

#### Environmental release category

ERC9a - Wide dispersive indoor use of substances in closed systems

ERC9b - Wide dispersive outdoor use of substances in closed systems

#### Processes, tasks, activities covered

Covers consumer uses in liquid fuels.

### 2. Operational conditions and risk management measures

#### 2.1. Control of environmental exposure

##### Product characteristics

Not applicable.

##### Amounts used

Not applicable

##### Environment factors not influenced by risk management

Not applicable

##### Other operational conditions of use affecting environmental exposure

Not applicable.

##### Technical conditions and measures at process level to prevent release

Not applicable.

##### Technical onsite conditions and measures to reduce or limit discharges, air emissions and releases to soil

Not applicable

##### Organizational measures to prevent/limit release from the site

Not applicable.

##### Conditions and measures related to municipal sewage treatment plant

Not applicable

##### Conditions and measures related to external treatment of waste for disposal

Not applicable.

##### Conditions and measures related to external recovery of waste

Not applicable.

#### 2.2. Control of exposure - Workers or Consumers

##### Product characteristics

##### Physical state

liquid

##### Concentration of substance in product

Covers percentage substance in the product up to 100 % (unless stated differently).

# Bartoline BBQ Lighting Fluid

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### Frequency and duration of use

Covers daily exposures up to 8 hours (unless stated differently)

### Other operational conditions affecting exposure

Assumes a good basic standard of occupational hygiene is implemented.

## 2.2a. Control of worker exposure

Contributing Scenarios	Operational conditions and risk management measures
------------------------	---

### Remarks

Not applicable.

## 2.2b. Control of consumer exposure

Product Category(ies)	Operational conditions and risk management measures
-----------------------	---

### Remarks

The CLP hazard statement H304 (May be fatal if swallowed and enters airways) relates to a risk of aspiration which is associated to a non-quantifiable hazard determined by kinematic viscosity.

This risk may arise if swallowed but also in case of vomiting after ingestion. The toxicity hazard of aspiration, although being a hazard for health, does not result from any observed toxicological effect characterized by a dose-response. Therefore no DNEL can be derived.

Operational Conditions (OCs) and implementation of Risk Management Measures (RMMs) need to be proportional to the degree of concern for the health hazard presented by the substance.

The exposure by ingestion should not exist in the case of any permitted uses of the substance. The hazard statement H304 is related to a misuse that should not occur during the identified uses stated in section 1.2 of Material Safety Data Sheet (MSDS). In case of any risk, it should be controlled by implementing RMMs tailored specifically. For any substance classified H304, these RMMs should be communicated via the MSDS by the use of the following statement: « Do not ingest. If swallowed then seek immediate medical assistance », to cover this risk.

## 3. Exposure estimation and references

### Health

Not applicable

### Environment

Not applicable.

## 4. Guidance for Downstream User (DU) to check compliance with the Exposure scenario

### Health

Available hazard data do not support the need for a DNEL to be established for other health effects. Risk Management Measures are based on qualitative risk characterisation.

### Environment

Not applicable.