1. Identification

PRODUCT IDENTIFIER

Product Identity
BackYard Grill Charcoal Lighter Fluid

Alternate Names
None

RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Intended use
See Technical Data Sheet.

Application Method
See Technical Data Sheet.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company Name
HOC INDUSTRIES, INC.
P.O. Box 2609,
Wichita, KS 67201-2609. USA

Contact information
Telephone: +1 (800) 999-9645
Email: msds@hocindustries.com
Website: www.hocindustries.com

EMERGENCY TELEPHONE NUMBER
PERS: (800) 633-8253

2. Hazard(s) identification

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Flam. Liq. 3;H226 Flammable liquid and vapor.
Asp. Tox. 1;H304 May be fatal if swallowed and enters airways.

LABEL ELEMENTS
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

\[
\text{Danger}
\]

H226 Flammable liquid and vapor.
H304 May be fatal if swallowed and enters airways.

[Prevention]:
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P235 Keep cool.
P240 Ground / bond container and receiving equipment.
Safety Data Sheet
Charcoal Lighter Fluid

P241 Use explosion-proof electrical / ventilating / light / equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves / eye protection / face protection.

[Response]:
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P331 Do NOT induce vomiting.
P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]:
P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.

[Disposal]:
P501 Dispose of contents / container in accordance with local / national regulations.

### 3. Composition/information on ingredients

**MIXTURE**

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrotreated petroleum distillates</td>
<td>75 - 100</td>
<td>Asp. Tox. 1; H304</td>
<td>[1]</td>
</tr>
<tr>
<td>Petroleum Distillates</td>
<td>10 - 25</td>
<td>Not Classified</td>
<td>[1]</td>
</tr>
</tbody>
</table>

---

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.
*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

**DESCRIPTION OF FIRST AID MEASURES**

**General**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation**

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

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Ingestion
If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Overview
Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

Inhalation
May be fatal if swallowed and enters airways.

5. Fire-fighting measures

FLAMMABILITY

Flammability
Flash Point: >100F (38C)

EXTINGUISHING MEDIA

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water fog.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Always use safety glasses, in case of a large spill monitor area to determine if a respirator is needed. Eliminate all ignition sources immediately. Avoid contact with skin, eyes, and clothes.

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

ADVICE FOR FIRE-FIGHTERS

Always wear appropriate personal protective equipment including safety glasses and in case of large releases use NIOSH approved respirators. Evacuate all unnecessary personnel. Shut off source if possible. Do not spray water directly on the fuel, it can float on top of the water and relight.

ERG Guide No. 128
6. Accidental release measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
Put on appropriate personal protective equipment (see section 8).
Always use safety glasses, in case of a large spill monitor area to determine if a respirator is needed. Eliminate all ignition sources immediately. Avoid contact with skin, eyes, and clothes.

ENVIRONMENTAL PRECAUTIONS
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP
Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Do not allow spills to enter drains or watercourses.
If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.
Contain spill through the use of dikes.

7. Handling and storage

PRECAUTIONS FOR SAFE HANDLING
Liquid can evaporate and form vapors that can catch fire and burn with explosive force. Vapors are heavier than air and may travel and be ignited at remote locations and flash back. Ground/bond all handling equipment in order to prevent a static discharge which could cause a fire. Eliminate ignition sources from handling areas. Use appropriate ventilation in order to prevent the buildup of explosive atmospheres. Keep ignition sources away from fuel. Avoid contact with skin and eyes through proper use of chemical resistant gloves and glasses.
The requirements of the Highly Flammable Liquids and Liquefied Petroleum Gases Regulations apply if the flashpoint is between 21°C and 32°C.
See section 2 for further details. - [Prevention]:

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Handle containers carefully to prevent damage and spillage.
Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.
Packaging material: PET or PVC plastic
Incompatible materials: Strong oxidizing agents and acids.
See section 2 for further details. - [Storage]:

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8. Exposure controls and personal protection

CONTROL PARAMETERS

<table>
<thead>
<tr>
<th>Exposure</th>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>Hydrotreated Petroleum Distillates</td>
<td>OSHA</td>
<td>No Established Limit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>Recommended 300 ppm PEL</td>
<td></td>
</tr>
</tbody>
</table>

Contains mineral oil. The exposure limits for oil mist are 5 mg/m3 OSHA PEL and 10 mg/m3 ACGIH.

Carcinogen Data

No established chemicals at levels which require reporting for this product.

EXPOSURE CONTROLS

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Protective safety glasses recommended.

Skin Wear overalls to keep skin contact to a minimum. Chemical resistant gloves should be used at all times when handling this product. The use of coveralls is recommended.

Engineering Controls Provide adequate ventilation in order to prevent explosive atmospheres.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Light petroleum</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not Measured</td>
</tr>
<tr>
<td>pH</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>299 - 412F (148 - 211C)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;100F (38C)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;1 (Bu-Acetate = 1)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td></td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>6.0%</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>0.7%</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>0.06 - 6.18 mm Hg @ 100F</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>3 - 5.5 (Air = 1)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>~0.75 @ 15.6C (60F)</td>
</tr>
</tbody>
</table>
Solubility in Water: Not Measured
Partition coefficient n-octanol/water (Log Kow): Not Measured
Auto-ignition temperature: 230°C (446°F)
Decomposition temperature: Not Applicable
Viscosity (cSt): 1.09 - 1.45 cSt @ 38°C (100°F)

Other information:
DMSO extract by IP346: Less than 3.0 wt % (mineral oil component only)

10. Stability and reactivity

REACTIVITY
Hazardous Polymerization will not occur.

CHEMICAL STABILITY
Stable under normal circumstances.

POSSIBILITY OF HAZARDOUS REACTIONS
No data available.

CONDITIONS TO AVOID
Excessive heat and open flame. Ground all equipment involved in fluid transfer to avoid the buildup of static.

INCOMPATIBLE MATERIALS
Strong oxidizing agents and acids.

HAZARDOUS DECOMPOSITION PRODUCTS
High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

11. Toxicological information

ACUTE TOXICITY

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrotreated Petroleum Distillates</td>
<td>5,000.00, Rat - Category: 5</td>
<td>&gt;2,000.00, Rabbit - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Petroleum Distillates</td>
<td>&gt; 5,000.00, Rat - Category: NA</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate

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was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>1</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
</tbody>
</table>

12. Ecological information

TOXICITY
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrotreated Petroleum Distillates</td>
<td>45.00, Pimephales promelas</td>
<td>4,720.00, Dendronereides heteropoda</td>
<td>Not Available</td>
</tr>
<tr>
<td>Petroleum Distillates</td>
<td>5,000.00, Oncorhynchus mykiss</td>
<td>1,000.00, Daphnia magna</td>
<td>1,000.00 (96 hr), Scenedesmus subspicatus</td>
</tr>
</tbody>
</table>

PERSISTENCE AND DEGRADABILITY
28 days / 69.8%

BIOACCUMULATIVE POTENTIAL
Not Measured

MOBILITY IN SOIL
No data available.

RESULTS OF PBT AND VPVB ASSESSMENT
This product contains no PBT/vPvB chemicals.

OTHER ADVERSE EFFECTS
No data available.
13. Disposal considerations

WASTE TREATMENT METHODS
Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

Non-Bulk Domestic Ground:
This material is not regulated for domestic ground shipments by the U.S. Department of Transportation (DOT) when transported in non-bulk (a packaging which has a maximum capacity of 119 gallons or less as a receptacle for a liquid). Reference 49 CFR 173.120 (b) (2) and 173.150 (f) (1). In summary, for non-bulk domestic ground shipments:
DOT Class: Not Regulated
Hazard Class: Not Applicable
UN No.: Not Applicable

Transport Hazard Class(ES)

DOT (Domestic Surface Transportation)  |  IMO / IMDG (Ocean Transportation)  |  ICAO/IATA
--- | --- | ---
UN NUMBER | UN1268 | UN1268 | UN1268
UN PROPER SHIPPING NAME | UN1268, Petroleum distillates, n.o.s., 3, III | Petroleum distillates, n.o.s | Petroleum distillates, n.o.s.
TRANSPORT HAZARD CLASS(ES) | DOT Hazard Class: 3 | IMDG: 3 | Air Class: 3
PACKING GROUP | III | III | III

ENVIRONMENTAL HAZARDS
IMDG  | Marine Pollutant: No
SPECIAL PRECAUTIONS FOR USER
No further information

15. Regulatory information

REGULATORY OVERVIEW
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

TOXIC SUBSTANCE CONTROL ACT (TSCA)
All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS CLASSIFICATION
B3

US EPA TIER II HAZARDS

Fire: Yes
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No

EPCRA 311/312 CHEMICALS AND RQS:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 EXTREMELY HAZARDOUS:
16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:
H304 May be fatal if swallowed and enters airways.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

End of Document