

SAFETY DATA SHEET

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Charcoal Lighter Fluid

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Charcoal Lighter Material

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name Royal Oak Enterprises LLC

Supplier Address 1 Royal Oak Avenue
Roswell
GA
30076
US

Supplier Phone Number Phone:800-424-9300
Contact Phone479-271-6442

Supplier Email mhueter@royal-oak.com

Emergency telephone number

2. HAZARDS IDENTIFICATION


Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

| | |
|---------------------|------------|
| Aspiration toxicity | Category 1 |
| Flammable liquids | Category 3 |



GHS Label elements, including precautionary statements**Emergency Overview**

| | | | |
|---|------------------|-----------------------|-----------------------|
| Signal word | Warning | | |
| Hazard Statements | | | |
| May be fatal if swallowed and enters airways Flammable liquid and vapor | | | |
|  | | | |
| Appearance | Clear, colorless | Physical state | Liquid |
| | | Odor | Petroleum distillates |

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 Keep container tightly closed
 Ground/bond container and receiving equipment
 Use explosion-proof electrical/ ventilating/ lighting/ equipment
 Use only non-sparking tools
 Take precautionary measures against static discharge
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response**Skin**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do NOT induce vomiting

Fire

In case of fire: Use CO₂, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

0 % of the mixture consists of ingredient(s) of unknown toxicity

Other information

PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name | CAS No | Weight-% | Trade Secret |
|-----------------------|-------------|----------|--------------|
| Supplier Trade Secret | Proprietary | 60 - 100 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures**General Advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye contact

If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact

In the case of skin irritation or allergic reactions see a physician. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, (trained personnel should) give oxygen.

Ingestion

Do NOT induce vomiting. Aspiration hazard if swallowed - can enter lungs and cause damage. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Self-protection of the first aider

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Most important symptoms and effects, both acute and delayed**Most Important Symptoms and Effects**

Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

Indication of any immediate medical attention and special treatment needed**Notes to Physician**

Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.



5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical, CO₂, water spray or regular foam. Use water spray or fog; do not use straight streams.

Unsuitable extinguishing media

CAUTION: All these products have a very low flash point: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

Some may be transported hot.

Uniform Fire Code

Combustible Liquid: II

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge Yes.

Protective equipment and precautions for firefighters

Move containers from fire area if you can do it without risk.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. See section 8 for more information. Avoid contact with skin, eyes or clothing. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other Information

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

Environmental precautions

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment

A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for cleaning up

Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store locked up. Keep out of the reach of children. Store away from other materials. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products

None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------|---|---|------------|
| Supplier Trade Secret | TWA: 5 mg/m ³ STEL: 10 mg/m ³ (as oil mist) | TWA: 5 mg/m ³ (as oil mist) | |

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Appropriate engineering controls

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection

Tight sealing safety goggles.

Skin and body protection

Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.

| | |
|-------------------------------|--|
| Respiratory protection | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| Hygiene Measures | Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | | | |
|---|--------------------------|-----------------------|--------------------------|
| Physical state | Liquid | Odor | Petroleum distillates |
| Appearance | Clear, colorless | Odor Threshold | No information available |
| Color | No information available | | |
| <u>Property</u> | <u>Values</u> | <u>Remarks</u> | <u>Method</u> |
| pH | UNKNOWN | None known | |
| Melting / freezing point | No data available | None known | |
| Boiling point / boiling range | 160 320 | None known | |
| Flash Point | 39 C / 102 F | None known | |
| Evaporation Rate | No data available | None known | |
| Flammability (solid, gas) | No data available | None known | |
| Flammability Limit in Air | | | |
| Upper flammability limit | No data available | | |
| Lower flammability limit | No data available | | |
| Vapor pressure | No data available | None known | |
| Vapor density | No data available | None known | |
| Specific Gravity | 0.777 | None known | |
| Water Solubility | Negligible | None known | |
| Solubility in other solvents | No data available | None known | |
| Partition coefficient: n-octanol/water | No data available | None known | |
| Autoignition temperature | No data available | None known | |
| Decomposition temperature | No data available | None known | |
| Kinematic viscosity | No data available | None known | |
| Dynamic viscosity | 1.09 | None known | |
| Explosive properties | No data available | | |
| Oxidizing properties | No data available | | |
| <u>Other Information</u> | | | |
| Softening Point | No data available | | |
| VOC Content (%) | No data available | | |
| Particle Size | No data available | | |
| Particle Size Distribution | | | |

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|--|
| Product Information | Product does not present an acute toxicity hazard based on known or supplied information. |
| Inhalation | Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. |
| Eye contact | Specific test data for the substance or mixture is not available. May cause irritation. |
| Skin contact | Repeated exposure may cause skin dryness or cracking. |
| Ingestion | Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------|----------------------|-------------------------|------------------------|
| Supplier Trade Secret | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 5.2 mg/L (Rat) 4 h |

Information on toxicological effects

| | |
|-----------------|---|
| Symptoms | Difficulty in breathing. Coughing and/ or wheezing. Asthma-like and/ or skin allergy-like symptoms. |
|-----------------|---|

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|----------------------|---------------------------|
| Sensitization | No information available. |
|----------------------|---------------------------|

| | |
|---------------------------------|--|
| Mutagenic Effects | No information available. |
| Carcinogenicity | Contains no ingredient listed as a carcinogen. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Chronic Toxicity | No known effect based on information supplied. Aspiration may cause pulmonary edema and pneumonitis. |
| Target Organ Effects | Respiratory system. |
| Aspiration Hazard | No information available. |

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|-----------------------|-------------------|--|----------------------------|----------------------------|
| Supplier Trade Secret | | 96h LC50: = 2.2 mg/L (Lepomis macrochirus) 96h LC50: = 2.4 mg/L (Oncorhynchus mykiss) 96h LC50: = 45 mg/L (Pimephales promelas) | | 96h LC50: = 4720 mg/L |

Persistence and Degradability

No information available.

Bioaccumulation

No information available

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|---|
| Disposal methods | This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). |
| Contaminated Packaging | Dispose of contents/containers in accordance with local regulations. |
| US EPA Waste Number | D001 |

California Hazardous Waste Codes 213

14. TRANSPORT INFORMATION

DOT

| | |
|--|---------------------------|
| Proper Shipping Name | CONSUMER COMMODITY |
| Hazard Class | ORM-D |
| Description | CONSUMER COMMODITY, ORM-D |
| Emergency Response Guide Number | 128 |

TDG

| | |
|-----------------------------|---|
| UN-No. | UN1268 |
| Proper Shipping Name | PETROLEUM DISTILLATES, N.O.S. |
| Hazard Class | 3 |
| Packing Group | III |
| Description | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |

MEX

| | |
|-----------------------------|---|
| UN-No. | UN1268 |
| Proper Shipping Name | PETROLEUM DISTILLATES, N.O.S. |
| Hazard Class | 3 |
| Packing Group | III |
| Description | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |

ICAO

| | |
|-----------------------------|---|
| UN-No. | UN1268 |
| Proper Shipping Name | PETROLEUM DISTILLATES, N.O.S. |
| Hazard Class | 3 |
| Packing Group | III |
| Description | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |

IATA

| | |
|-----------------------------|---|
| UN-No. | UN1268 |
| Proper Shipping Name | PETROLEUM DISTILLATES, N.O.S. |
| Hazard Class | 3 |
| Packing Group | III |
| Description | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |

IMDG/IMO

| | |
|----------------------|--|
| UN-No. | UN1268 |
| Proper Shipping Name | PETROLEUM DISTILLATES, N.O.S. |
| Hazard Class | 3 |
| Packing Group | III |
| EmS-No. | F-E, S-E |
| Description | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III, (39°C C.C.) |

RID

| | |
|----------------------|---|
| UN-No. | UN1268 |
| Proper Shipping Name | PETROLEUM DISTILLATES, N.O.S. |
| Hazard Class | 3 |
| Packing Group | III |
| Classification code | F1 |
| Description | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |

ADR

| | |
|-------------------------|---|
| UN-No. | UN1268 |
| Proper Shipping Name | PETROLEUM DISTILLATES, N.O.S. |
| Hazard Class | 3 |
| Packing Group | III |
| Classification code | F1 |
| Tunnel restriction code | (D/E) |
| Description | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |

ADN

| | |
|----------------------|---|
| UN-No. | UN1268 |
| Proper Shipping Name | PETROLEUM DISTILLATES, N.O.S. |
| Hazard Class | 3 |
| Packing Group | III |
| Classification code | F1 |
| Special Provisions | 363 |
| Description | UN1268, PETROLEUM DISTILLATES, N.O.S., 3, III |
| Limited Quantity | 5 L |
| Ventilation | VE01 |

| |
|-----------------------------------|
| 15. REGULATORY INFORMATION |
|-----------------------------------|

International Inventories

| | |
|-------|--|
| TSCA | Complies |
| DSL | All components are listed either on the DSL or NDSL. |
| IECSC | - |

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|-----------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | Yes |



| | |
|--|-----|
| Fire Hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

International Regulations

Canada

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

| | | | | |
|-------------|-------------------------|-----------------------|--------------------------|--|
| NFPA | Health Hazards 2 | Flammability 2 | Instability 0 | Physical and Chemical Hazards - Personal Protection |
| HMIS | Health Hazards 2 | Flammability 2 | Physical Hazard 0 | |
| | | | | X |

Prepared By Product Stewardship
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Latham, NY 12110
1-800-572-6501

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet

