



# SAFETY DATA SHEET

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Revision Number 3

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

**Product identifier**

**Product Name** Kingsford Odorless Charcoal Lighter

**Other means of identification**

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Lighter fluid

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier Name** The Clorox Company

**Supplier Address** 1221 Broadway  
Oakland  
CA  
94612  
US

**Supplier Phone Number** Phone: 1-510-271-7000

**Emergency telephone number**

**Company Emergency Phone Number** For Medical Emergencies call: (800) 446-1014

Transportation Emergencies, call Chemtrec: (800) 424-9300

**Emergency Telephone Number** 1-800-446-1014

## 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**

<b>Signal word</b>	<b>Danger</b>	
<b>Hazard Statements</b>	May be fatal if swallowed and enters airways Flammable liquid and vapor	
<b>Appearance</b>	Clear	<b>Physical state</b> Liquid
		<b>Odor</b> 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 eye/face protection

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 In case of fire: Use CO2, dry chemical, or foam for extinction

**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  
 Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Concentration	Trade Secret
Petroleum distillates, hydrotreated light	64742-47-8	100	

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye contact**

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

**Skin contact**

Wash skin with soap and water. Get medical attention if irritation develops and persists.

**Inhalation**

Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. If symptoms persist, call a physician.

**Ingestion**

Do NOT induce vomiting. Call a physician or Poison Control Center immediately. 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.

**Self-protection of the first aider**

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).

**Most important symptoms and effects, both acute and delayed**

**Most Important Symptoms and Effects** Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Dry chemical, CO<sub>2</sub>, 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**

Flammable.

**Uniform Fire Code** Combustible Liquid: II

**Hazardous Combustion Products**

Carbon oxides.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** Yes.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Take precautionary measures against static discharges.

**Other Information** Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions**

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Keep out of drains, sewers, ditches and waterways.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not eat, drink or smoke when using this product. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion.

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

**Storage** Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from other materials. Do not store near combustible materials. 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
Petroleum distillates, hydrotreated light 64742-47-8	TWA - 100 ppmb Based on TWA for Stoddard solvent	TWA - 500 ppm Based on TWA for Stoddard solvent	IDLH - 20000 mg/m <sup>3</sup> Ceiling - 1800 mg/m <sup>3</sup> (15 min) TWA - 350 mg/m <sup>3</sup> Based on limits for Stoddard solvent

*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*

**Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles). None required for consumer use.

**Skin and body protection** Rubber gloves. Neoprene gloves. If there is a risk of contact.

**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. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Petroleum distillates
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	No information available
<b>Color</b>	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
<b>pH</b>	No data available	None known	
<b>Melting / freezing point</b>	No data available	None known	
<b>Boiling point / boiling range</b>	No data available °C / °F	None known	
<b>Flash Point</b>	~40°C C / 104 F	None known	
<b>Evaporation Rate</b>	No data available	None known	
<b>Flammability (solid, gas)</b>	No data available	None known	
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit</b>	~5.6%		
<b>Lower flammability limit</b>	~0.8%		
<b>Vapor pressure</b>	~2mm Hg)at20°C	None known	
<b>Vapor density</b>	~4.9 at101 kPa Air = 1)	None known	
<b>Specific Gravity</b>	~0.78 @ 15°C	None known	
<b>Water Solubility</b>	Insoluble in water	None known	
<b>Solubility in other solvents</b>	No data available	None known	
<b>Partition coefficient: n-octanol/water</b>	No data available	None known	
<b>Autoignition temperature</b>	No data available	None known	
<b>Decomposition temperature</b>	No data available	None known	

<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive properties</b>	No data available	
<b>Oxidizing properties</b>	No data available	

**Other Information**

<b>Softening Point</b>	No data available
<b>Particle Size</b>	No data available
<b>Particle Size Distribution</b>	No data available

## 10. STABILITY AND REACTIVITY

**Reactivity**

None under normal processing.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Heat, flames and sparks. Strong oxidizing agents.

**Incompatible materials**

Combustible materials.

**Hazardous Decomposition Products**

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Vapors may be irritating to eyes, nose, throat, and lungs. Inhalation of vapors in high concentration may cause irritation of respiratory system.
<b>Eye contact</b>	May cause irritation.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking.
<b>Ingestion</b>	Ingestion may cause chemical pneumonitis.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Petroleum distillates, hydrotreated light 64742-47-8	>5 g/kg (Rat)	>2 g/kg (Rabbit)	>5.2 mg/L (Rat, 4 h)

**Information on toxicological effects**

**Symptoms** Vapors may cause drowsiness and dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic Toxicity</b>	No information available.

**Target Organ Effects** Respiratory system. Central nervous system (CNS). Eyes.  
**Aspiration Hazard** Risk of serious damage to the lungs (by aspiration). May be fatal if swallowed and enters airways.

**Numerical measures of toxicity Product Information**  
 The following values are calculated based on chapter 3.1 of the GHS document  
 mg/kg (ATE)

**12. ECOLOGICAL INFORMATION**

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

**Persistence and Degradability**  
 No information available.

**Bioaccumulation**  
 No information available

**Other adverse effects**  
 No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal methods** Dispose of contents/containers in accordance with local regulations.  
**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** Not regulated

**TDG** Not regulated

**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** 1268,PETROLEUM DISTILLATES, N.O.S.,3,PG 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,PG III

**IMDG**

**UN-No.** UN1268  
**Proper Shipping Name** PETROLEUM DISTILLATES, N.O.S.  
**Hazard Class** 3  
**Packing Group** III  
**EmS-No.** F-E, S-E  
**Description** 1268, PETROLEUM DISTILLATES, N.O.S.,3,PG III

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** All components are listed on the TSCA Inventory  
**DSL** All components are listed either on the DSL or NDSL.

**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**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Yes
<b>Fire Hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	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 above threshold limits that are regulated by state right-to-know.

**International Regulations****Canada****WHMIS Hazard Class**

D2A - Very toxic materials  
 B2 - Flammable liquid  
 B3 - Combustible liquid D2A - Very toxic materials



## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 2	<b>Instability</b> 0	<b>Physical and Chemical Hazards</b> -
<b>HMIS</b>	<b>Health Hazards</b> 1	<b>Flammability</b> 2	<b>Physical Hazard</b> 0	<b>Personal Protection</b> X

**Prepared By** Product Stewardship  
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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**