



SAFETY DATA SHEET
LAMP FUEL USED IN HOLLOWICK
HD8, HD12 AND HD15 DISPOSABLE CELLS

1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY UNDERTAKING

Product identifier

Product name	Lamp Fuel used in Hollowick HD8, HD12 and HD15 Disposable Cells
Chemical name	White mineral oil (petroleum)
CAS number	8042-47-5
EC number	232-455-8

Relevant identified uses of the substance and uses advised against

Applications	Table Lighting Candle Fuel
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Details of the supplier of the safety data sheet

Name	Hollowick Inc
Address	100 Fairgrounds Drive PO BOX 305 Manlius, NY 13104
Telephone	800-367-3015 (Toll Free)
Fax	315-682-6948
Contact email	info@hollowick.com

Emergency telephone number

Telephone	1-800-424-9300 (CHEMTREC)
	Outside US: 24 hours-a-day, 7 days-a-week 1-703-527-3887 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Emergency overview

This product has been evaluated and does not require any hazard warning on the label under OSHA criteria.

Classification of the substance according to the directive 67/548/EEC (DSD)

Not classified

Classification of the substance according to the regulation (EC) no. 1272/2008 (CLP)

Not classified

Label elements according to the regulation (EC) no. 1272/2008 (CLP)

Hazard pictograms	-
Signal word	-
Hazard statements	-
Precautionary statements	-
Supplemental label information	Contains mineral oil which is not a dangerous substance and is not subject to hazard labelling under the CLP regulation (GHS).



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Other hazards

Potential health effects

Routes of exposure: Eye, Skin contact, Inhalation, Ingestion.

Eyes: No significant health hazard identified.

Skin: No significant health hazard identified.

Inhalation: No significant health hazard identified.

Ingestion: Negligible effect. May act as a laxative.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	EC No.	Index No.	Concentration	Classification DSD/CLP	Specific concentrations limit
White mineral oil (petroleum)	8042-47-5	232-455-8	-	100%	Not classified	-
						-

4. FIRST AID MEASURES

Description of first aid measures

Following eye contact	If splashed into eyes, flush with clear water for 15 minutes, or until irritation subsides. If irritation still persists, call a physician.
Following skin contact	Remove contaminated clothing. Launder before reuse. Wash skin with soap and water. Obtain medical attention if irritation persists.
Following inhalation	If symptoms develop move victim to fresh air. If breathing has stopped, administer artificial respiration, and seek medical attention immediately. If indicated, administer cardiopulmonary resuscitation. If symptoms persist, obtain medical attention.
Following ingestion	Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

High vapor concentration may induce headache, nausea, dizziness and respiratory irritation.
Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Symptoms may be delayed.

Variability Among Individuals: Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.



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5. FIREFIGHTING MEASURES

Extinguishing media	Suitable: Dry chemical, carbon dioxide, foam, steam or water fog
Unsuitable extinguishing media:	Water streams will scatter liquid and spread fire, but may be used to keep fire-exposed containers and surroundings cool.
Special hazards	May create dense smoke during combustion
Fire hazard:	Mild fire hazard when heated above its flash point; material must be preheated before ignition will occur (OSHA Class IIIB).
Advice for firefighters	Firefighters should wear full protective clothing including self-contained breathing apparatus. Stop source of fuel. Shut off ignition sources. Keep exposed containers cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from spill/leak. Remove all sources of ignition.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods and material for containment and cleaning up	Before attempting clean up, refer to hazard data given above. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Reference to other sections	See precautions in section 7 and 8.

7. HANDLING AND STORAGE

Precautions for safe handling	No special requirements.
Conditions for safe storage, including any incompatibilities	Keep out of reach of children. Store in a closed container away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limit values

<u>Component</u>	<u>Type</u>	<u>Value</u>
Oil mist	TWA	5 mg/m ³



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STEL

10 mg/m³

Exposure controls

Appropriate engineering controls

General ventilation normally adequate. Use only with ventilation sufficient to prevent exceeding recommended exposure limit. Keep containers and storage containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.

Personal protection

Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respiratory protection is not required under conditions of normal use. Wear an organic vapor respirator with a mist filter if vapor, mist or spray is generated.

Skin protection: None required. However, use of protective gloves/clothing is good industrial practice.

Eye protection: None required. However, use of eye protection is good industrial practice.

Body protection: Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact. Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry-clean before reuse.

Environmental exposure controls

Not available

9. PHYSICAL AND CHEMICAL PROPERTIES

Information of basic physical and chemical properties

Physical state	Clear, oily liquid
Color	Water white
Odor	Odorless
Odor threshold	Not available
pH	Not available
Melting point	Not applicable
Boiling point	> 260°C (>500°F)
Flash point	> 93.33°C (>200°F)
Evaporation rate	Not available
Flammability	Not available
Auto ignition temperature	Not available
Upper/lower flammability or explosive limits	Not available
Explosive properties	Not available
Oxidizing properties	Not available



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Vapor pressure	< 1.0 mmHg at 20°C (68°F)
Vapor density	> 1
Relative density	Not available
Solubility in water	Insoluble
Other Solvents	Not available
Decomposition temperature	Not available
Viscosity	Kinematic viscosity greater than 20.5 mm ² /s measured at 40°C, 100 Saybolt Universal Seconds at 100°F

Other information

Specific gravity : < 1

10. STABILITY AND REACTIVITY

Reactivity	This product may react with strong oxidizing agents.
Chemical stability	Stable under recommended storage conditions. This product is stable and will not react violently with water. Conditions contributing to instability: High Temperature
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong oxidizers.
Hazardous decomposition materials	May include and are not limited to: oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	Based on the available information, the criteria for classification are not fulfilled. <u>Oral</u> LD ₅₀ (rat): >5000 mg/kg May cause stomach distress, nausea or vomiting. Product has a low order of acute oral and dermal toxicity, but small amounts aspirated into the lungs during ingestion or vomiting may cause pulmonary injury. Aspiration of material into lungs can cause chemical pneumonitis. May act as a laxative. <u>Inhalation</u> Inhalation of mist or spray may be harmful. Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).
Skin corrosion/irritation	Based on the available information, the criteria for classification are not fulfilled: not expected to cause any skin irritation or harmful effects from short periods of contact. May cause skin irritation in sensitive



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	individuals.
Serious eye damage/irritation	Based on the available information, the criteria for classification are not fulfilled: product contacting the eyes may cause slight eye irritation. However, no harmful effects are expected.
Respiratory or skin sensitization	Not available
Germ cell mutagenicity	Not available
Carcinogenicity	Based on the available information, the criteria for classification are not fulfilled: studies indicate no carcinogenic properties.
Reproductive toxicity	Not available
STOT-single exposure	Not available
STOT-repeated exposure	Not available
Aspiration hazard	Based on the available information, the criteria for classification are not fulfilled: the kinematic viscosity is greater than 20.5 mm ² /s measured at 40°C, 100 Saybolt Universal Seconds at 100°F

12. ECOLOGICAL INFORMATION

Toxicity	<u>Fish</u> Lepomis macrochirus: LC ₅₀ (96 h) 10000 mg/L
Persistence and degradability	Not available
Bio accumulative potential	Not available
Mobility in soil	Not available
Results of PBT and vPvB assessment	Not available
Other adverse effects	Not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	Material may be picked up with solid sorbent and land filled, or incinerated in accordance with applicable federal, state, or local regulations. "Empty" containers should not be refilled.
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14. TRANSPORT INFORMATION

General Information	Not regulated by U.S. DOT, Canadian TODG, IMO/IMDG, ICAO/IATA, ADR/RID
UN Number	-
UN proper shipping name	-
Transport hazard classes	-
Packing group	-
Environmental hazards	-
Land transport (ADR/RID)	Not regulated



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On land waterway craft (ADN/ADNR)	Not regulated
Marine transport (IMDG)	Not regulated
Air transport (IATA)	Not regulated

15. REGULATORY INFORMATION

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

Non-European regulations

OSHA Hazard Communication Standard Classification

Non-hazardous as defined by the OSHA Hazard Communication Standard.

TSCA inventory listing

Component: Mineral Oil

CAS Number: 8042-47-5

SARA 302 Status

Component: Contains no chemicals subject to SARA 302 reporting.

SARA 311/312 Classification

Non-hazardous according to SARA 311/312.

SARA 313 Chemicals

Component: Contains no chemicals subject to SARA 313 reporting.

NFPA

Health: 0

Flammability: 1

Reactivity: 0

Specific hazard: -



Canadian federal regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

WHMIS status: Not Controlled

Domestic Substances List (DSL): Yes

Non-Domestic Substances List (NDSL): No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

Chemical safety assessment

A chemical safety assessment has not been conducted on the substance by the supplier.



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16. OTHER INFORMATION

Date of Publication: June 1st, 2015 reviewed 2-9-17

This Safety Data Sheet and the information it contains are offered in good faith as accurate. We have reviewed any information contained in this data sheet, which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use product(s) safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.