# SAFETY DATA SHEET

## 1. Identification

**Product identifier** **Hollowick Lamp Fuel**

**Other means of identification**

**Synonyms** (Except HD8, HD12, HD15 and HD26 Disposable Cells)

**Recommended use** Fuel

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

**Company name** Hollowick, Inc.

**Address** 100 Fairgrounds Dr.
P.O. Box 305
Manlius, NY, 13104
United States

**Telephone** Phone: 315-682-2163
Phone: 800-367-3015 (Toll free)
Fax: 315-682-6948

**E-mail** info@hollowick.com

**Emergency phone number** 1-800-255-3924 (ChemTel)
1-813-248-0585 (ChemTel) (Outside US)

**Supplier** See above.

## 2. Hazard identification

**Physical hazards** Not classified.

**Health hazards** Aspiration hazard Category 1

**Environmental hazards** Not classified.

**WHMIS 2015 defined hazards** Not classified

**Label elements**

**Signal word** Danger

**Hazard statement** May be fatal if swallowed and enters airways.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

**Storage** Store locked up.

**Disposal** Dispose of container in accordance with local, regional, national and international regulations.

**WHMIS 2015: Health Hazard(s) not otherwise classified (HHNOC)** None known

**WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)** None known

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None.

## 3. Composition/Information on ingredients

**Mixture**

| Chemical name | Common name and synonyms | CAS number | % |
|---|---|---|---|
| Alkanes, C14-16 | | 90622-46-1 | 100 |

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

| | |
|---|---|
| **Inhalation** | If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention. |
| **Skin contact** | Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists. Take off contaminated clothing and wash it before reuse. |
| **Eye contact** | Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists. |
| **Ingestion** | IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. |
| **Most important symptoms/effects, acute and delayed** | Aspiration may cause pulmonary edema and pneumonitis. |
| **Indication of immediate medical attention and special treatment needed** | Treat patient symptomatically. |
| **General information** | If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Wear rubber gloves and safety glasses with side shields. Keep out of reach of children. |

## 5. Fire-fighting measures

| | |
|---|---|
| **Suitable extinguishing media** | Foam. Dry chemical. Carbon dioxide. Fog. |
| **Unsuitable extinguishing media** | Not available. |
| **Specific hazards arising from the chemical** | Firefighters should wear a self-contained breathing apparatus. |
| **Special protective equipment and precautions for firefighters** | Firefighters should wear full protective clothing including self-contained breathing apparatus. |
| **Fire-fighting equipment/instructions** | Move containers from fire area if you can do so without risk. |
| **Specific methods** | Use standard firefighting procedures and consider the hazards of other involved materials. |
| **General fire hazards** | No unusual fire or explosion hazards noted. |
| **Hazardous combustion products** | May include and are not limited to: Oxides of carbon. |

## 6. Accidental release measures

| | |
|---|---|
| **Personal precautions, protective equipment and emergency procedures** | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| **Methods and materials for containment and cleaning up** | Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Never return spills to original containers for re-use. Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Prevent entry into waterways, sewers, basements or confined areas. For waste disposal, see section 13 of the SDS. |
| **Environmental precautions** | Do not discharge into lakes, streams, ponds or public waters. |

## 7. Handling and storage

| | |
|---|---|
| **Precautions for safe handling** | Avoid contact with eyes, skin and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. |
| **Conditions for safe storage, including any incompatibilities** | Store locked up. Store in a closed container away from incompatible materials. Store away from incompatible materials (see Section 10 of the SDS). Keep out of reach of children. |

## 8. Exposure controls/Personal protection

| | |
|---|---|
| **Occupational exposure limits** | No exposure limits noted for ingredient(s). |
| **Biological limit values** | No biological exposure limits noted for the ingredient(s). |
| **Exposure guidelines** | Not applicable. |
| **Appropriate engineering controls** | General ventilation normally adequate. |

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

| | |
|---|---|
| **Eye/face protection** | Wear safety glasses with side shields. |

| | |
|---|---|
| **Skin protection** | |
| **Hand protection** | Impervious gloves. Confirm with reputable supplier first. |
| **Other** | As required by employer code. |
| **Respiratory protection** | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. |
| **Thermal hazards** | Not applicable. |
| **General hygiene considerations** | When using do not eat or drink. |

## 9. Physical and chemical properties

| | |
|---|---|
| **Appearance** | Clear |
| **Physical state** | Liquid. |
| **Form** | Liquid. |
| **Color** | Water white |
| **Odor** | Odorless |
| **Odor threshold** | Not available. |
| **pH** | Not available. |
| **Melting point/freezing point** | Not available. |
| **Initial boiling point and boiling range** | 478 - 544 °F (247.78 - 284.44 °C) |
| **Pour point** | Not available. |
| **Specific gravity** | Not available. |
| **Partition coefficient (n-octanol/water)** | Not available. |
| **Flash point** | > 93.33°C (>200°F) |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Flammability limit - lower (%)** | > 0.5 |
| **Flammability limit - upper (%)** | < 4.7 |
| **Explosive limit - lower (%)** | Not available. |
| **Explosive limit - upper (%)** | Not available. |
| **Vapor pressure** | <0.1 mmHg @ 20°C/68°F (API Calculation) |
| **Vapor density** | > 5 (Air = 1) |
| **Relative density** | < 1 |
| **Solubility(ies)** | Negligible |
| **Auto-ignition temperature** | > 400 °F (> 204.44 °C) |
| **Decomposition temperature** | Not available. |
| **Viscosity** | 2.3 - 2.5 cSt @ 40°C |
| **Other information** | |
| **Explosive properties** | Not explosive. |
| **Oxidizing properties** | Not oxidizing. |

## 10. Stability and reactivity

| | |
|---|---|
| **Reactivity** | May react with incompatible materials. |
| **Possibility of hazardous reactions** | Hazardous polymerization does not occur. |
| **Chemical stability** | Stable under recommended storage conditions. |
| **Conditions to avoid** | Do not mix with other chemicals. |
| **Incompatible materials** | Oxidizers. |
| **Hazardous decomposition products** | May include and are not limited to: Oxides of carbon. |

## 11. Toxicological information

| | |
|---|---|
| **Routes of exposure** | Eye, Skin contact, Inhalation, Ingestion. |

**Information on likely routes of exposure**

| | |
|---|---|
| **Ingestion** | May cause stomach distress, nausea or vomiting. |
| **Inhalation** | No adverse effects due to inhalation are expected. |
| **Skin contact** | No adverse effects due to skin contact are expected. |
| **Eye contact** | Direct contact with eyes may cause temporary irritation. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Aspiration may cause pulmonary edema and pneumonitis. |

**Information on toxicological effects**

**Acute toxicity** May be fatal if swallowed and enters airways.

| Components | Species | Test Results |
|---|---|---|
| Alkanes, C14-16 (CAS 90622-46-1) | | |
| **Acute** | | |
| *Dermal* | | |
| LD50 | Rat | > 2000 mg/kg, Sasol |
| *Inhalation* | | |
| LC50 | Rat | > 5.8 mg/l/4h, Sasol |
| *Oral* | | |
| LD50 | Rat | > 2000 mg/kg, Sasol |

| | |
|---|---|
| **Skin corrosion/irritation** | Prolonged skin contact may cause temporary irritation. |
| **Exposure minutes** | Not available. |
| **Erythema value** | Not available. |
| **Oedema value** | Not available. |
| **Serious eye damage/eye irritation** | Direct contact with eyes may cause temporary irritation. |
| **Corneal opacity value** | Not available. |
| **Iris lesion value** | Not available. |
| **Conjunctival reddening value** | Not available. |
| **Conjunctival oedema value** | Not available. |
| **Recover days** | Not available. |

**Respiratory or skin sensitization**

| | |
|---|---|
| **Respiratory sensitization** | Not a respiratory sensitizer. |
| **Skin sensitization** | This product is not expected to cause skin sensitization. |
| **Mutagenicity** | Not classified. |
| **Carcinogenicity** | Not classified. |

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not listed.

| | |
|---|---|
| **Reproductive toxicity** | Not classified. |
| **Teratogenicity** | Non-hazardous by WHMIS/OSHA criteria. |
| **Specific target organ toxicity - single exposure** | Not classified. |
| **Specific target organ toxicity - repeated exposure** | Not classified. |
| **Aspiration hazard** | May be fatal if swallowed and enters airways. |
| **Chronic effects** | Not classified. |

## 12. Ecological information

| | |
|---|---|
| **Ecotoxicity** | Not available. |
| **Persistence and degradability** | No data is available on the degradability of this product. |
| **Bioaccumulative potential** | No data available. |
| **Mobility in soil** | No data available. |
| **Mobility in general** | Not available. |
| **Other adverse effects** | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

## 13. Disposal considerations

| | |
|---|---|
| **Disposal instructions** | Dispose in accordance with all applicable regulations. |
| **Local disposal regulations** | Dispose in accordance with all applicable regulations. |
| **Hazardous waste code** | The waste code should be assigned in discussion between the user, the producer and the waste disposal company. |
| **Waste from residues / unused products** | Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| **Contaminated packaging** | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

## 14. Transport information

| | |
|---|---|
| **Transport of Dangerous Goods (TDG) Proof of Classification** | Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below. |

**U.S. Department of Transportation (DOT)**

Not regulated as dangerous goods.

**Transportation of Dangerous Goods (TDG - Canada)**

Not regulated as dangerous goods.

## 15. Regulatory information

**Canadian federal regulations** This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

**Canada SNAc Reporting Requirements: Listed substance/Publication date**

Alkanes, C14-16 (CAS 90622-46-1) 11/22/2008 Listed.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**WHMIS 2015 Exemptions** Not applicable

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Not listed.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

| | |
|---|---|
| **SARA 302 Extremely hazardous substance** | No |
| **SARA 311/312 Hazardous chemical** | Yes |
| **Classified hazard categories** | Aspiration hazard |

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**US state regulations** See below

**US - Minnesota Haz Subs: Listed substance**

Alkanes, C14-16 (CAS 90622-46-1) Listed.

**US - Texas Effects Screening Levels: Listed substance**

Alkanes, C14-16 (CAS 90622-46-1) Listed.

**US. California Proposition 65**

This product is not subject to warning labeling under the California Proposition 65 regulation.

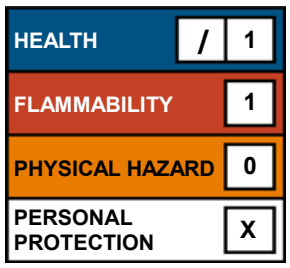
**Inventory status**

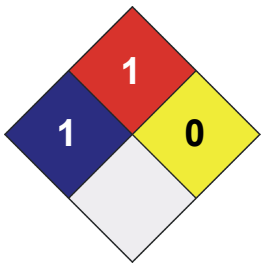
| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

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

## 16. Other information

| LEGEND | |
|---|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | 0 |

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**Prepared by** Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

**Further information** Not available.

**Other information** For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.