SAFETY DATA SHEET
LAMP FUEL USED IN HOLLOWICK
HD17, HD18, HD29, HD30, HD36, HD36+SN, HD3622HL, HD37, HD42,
HD426HL, HD50, HFO-GAL, HFO-QT, HD17LWC-48 & HD23LWC-24
DISPOSABLE CELLS

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY UNDERTAKING

<table>
<thead>
<tr>
<th>Trade name</th>
<th>Hollowick Liquid Paraffin Lamp Fuel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms</td>
<td>C14-C16 Normal Paraffins (Alkanes)</td>
</tr>
<tr>
<td>Use</td>
<td>Table lighting Candle Fuel</td>
</tr>
<tr>
<td>Company</td>
<td>Hollowick Inc</td>
</tr>
<tr>
<td>Address</td>
<td>100 Fairgrounds Drive</td>
</tr>
<tr>
<td>Telephone</td>
<td>CHEMTREC North America Transportation Emergency (24-hr) (800) 424-9300</td>
</tr>
<tr>
<td></td>
<td>CHEMTREC World Wide (703) 527-3887</td>
</tr>
<tr>
<td></td>
<td>Hollowick Inc (800) 367-3015</td>
</tr>
<tr>
<td>E-mail address</td>
<td><a href="mailto:info@hollowick.com">info@hollowick.com</a></td>
</tr>
</tbody>
</table>

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazards  Aspiration hazard Category 1

LABEL ELEMENTS

Hazard symbols

Signal word  Danger

Hazard statements  H304  May be fatal if swallowed and enters airways.

Precautionary statements

Response  P301 + P310  IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331  Do NOT induce vomiting.

Storage  P405  Store locked up.

Disposal  P501  Dispose of contents/container to an approved waste disposal plant.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>C14-16 Normal Paraffins (Alkanes)</td>
<td>90622-46-1</td>
<td>100</td>
</tr>
</tbody>
</table>

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

SECTION 4: FIRST AID MEASURES

**Eye contact**  Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.

**Skin contact**  Remove contaminated clothing. Launder before reuse. Wash skin with soap and water. Obtain medical attention if irritation persists. Remove contaminated clothing. Launder before reuse.

**Inhalation**  Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

**Ingestion**  Do NOT induce vomiting. Consult a physician.

SECTION 5: FIREFIGHTING MEASURES

**FLAMMABLE PROPERTIES**

- **Fire/explosion**  NFPA Class IIIB combustible liquid.
- **Suitable extinguishing media**  Water spray, Foam, Dry chemical, Carbon dioxide (CO2)

**Protective equipment and precautions for firefighters**

- In the event of fire, wear self-contained breathing apparatus.

**Further information**

- Keep containers and surroundings cool with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

**Methods and materials for containment and cleaning up**

- Evacuate the area and eliminate all sources of ignition. 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).

SECTION 7: HANDLING AND STORAGE

**Safe handling advice**

- Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### GENERAL VENTILATION
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 PROTECTIVE EQUIPMENT

<table>
<thead>
<tr>
<th>Component</th>
<th>Protection Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eyes</strong></td>
<td>Eye protection is not required under conditions of normal use. Wear safety glasses with side shields when splashing may occur.</td>
</tr>
<tr>
<td><strong>Skin</strong></td>
<td>Wear suitable protective clothing, gloves and eye/face protection, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.</td>
</tr>
</tbody>
</table>

#### 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.

#### EXPOSURE GUIDELINES
Contains no substances with occupational exposure limit values, Recommended internal limit of 5 mg/m3 (8-hour TWA) for exposure to mists of this product.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>liquid;</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>water-white, oily</td>
</tr>
<tr>
<td><strong>Form</strong></td>
<td>liquid</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Paraffin Hydrocarbons</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>no data available</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>118 °C, 244 °F; PM;</td>
</tr>
<tr>
<td><strong>Flammability</strong></td>
<td>Upper explosion limit: 4.7 % (V)</td>
</tr>
<tr>
<td><strong>Lower explosion limit</strong></td>
<td>0.5 % (V)</td>
</tr>
<tr>
<td><strong>Boiling point/boiling range</strong></td>
<td>248 - 284 °C, 478 - 544 °F; ASTM D-86;</td>
</tr>
<tr>
<td><strong>Melting point/range</strong></td>
<td>4 °C, 39 °F; (Freeze pt.)</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>204 °C, 400 °F;</td>
</tr>
</tbody>
</table>
Decomposition temperature: no data available

Flammability (solid, gas): no data available

Vapour pressure: < 0.1 mm Hg @ 20 °C, 68 °F; API Calculation;
Vapour density: 7.1
Density: no data available
Specific gravity: 0.768 @16 °C, 61 °F;
Water solubility: negligible
Viscosity: 2.3 - 2.5 cSt @ 40 °C, 104 °F;
PH: no data available
Evaporation rate: no data available
Partition coefficient: n-octanol/water: no data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Stable under recommended storage conditions.
Chemical stability: No decomposition if stored and applied as directed.
Conditions to avoid: Keep away from heat and sources of ignition.
Hazardous decomposition products: Combustion products include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.
Materials to avoid: Oxidizing agents
Hazardous polymerisation: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute dermal toxicity: LD50 rabbit: > 2,000 mg/kg
Acute inhalation toxicity: LC50 rat (4 hours): > 5.8 mg/l
Acute oral toxicity: LD50 rat: > 2,000 mg/kg
Skin: Primary irritation (rabbit): 4.4 (Maximum score is 8.0)
Acute dermal LD50 (rabbit) > 2,000 mg/kg
Corrosion/irritation  Repeated exposure may cause skin dryness or cracking.
Eye damage/irritation  Primary irritation (rabbit): 1 hours; 5.7 (Max. score is 110.) (unwashed eyes), Not irritating
Respiratory or skin sensitization  no data available
Germ cell mutagenicity  Genotoxicity in vitro: no data available
                Genotoxicity in vivo: no data available
                Assessment Mutagenicity: no data available
Reproductive toxicity  Reproductive toxicity: no data available
                Assessment Reproductive toxicity: no data available
                Teratogenicity: no data available
                Assessment teratogenicity: no data available
STOT - single exposure  no data available
STOT - repeated exposure  no data available
Aspiration toxicity  May be fatal if swallowed and enters airways.
Carcinogenicity  Assessment carcinogenicity: Contains no ingredient listed as a carcinogen

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity  Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility.
Toxicity to fish  LL50 (Pimephales promelas (fathead minnow)) 96 hours
                In the range of water solubility not toxic under test conditions.
Toxicity to aquatic invertebrates  EL50 (Ceriodaphnia Dubia (water flea)) 192 hours
                In the range of water solubility not toxic under test conditions.
Toxicity to algae  no data available
Chronic toxicity to fish  no data available
SAFETY DATA SHEET
LAMP FUEL USED IN HOLLOWICK
DISPOSABLE CELLS

Chronic toxicity to aquatic invertebrates no data available

Biodegradation Readily biodegradable.
OECD Test Guideline 301F (28 d): 82
% Test substance: LINPAR 1417

Bioaccumulation no data available

Mobility in soil no data available

Other adverse effects no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Code Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements.

Disposal methods Dispose of only in accordance with local, state, and federal regulations.

Empty containers. Empty containers retain product residue. Dispose of in the same manner as the product. Empty Containers should not be refilled

SECTION 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 | - |
| DOT | Not regulated |
| IATA | Not regulated |
| IMDG | Not regulated |

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

OSHA Hazards See Section 2

TSCA Inventory Listing
Components CAS-No.
Alkanes, C14-16 90622-46-1
SAFETY DATA SHEET
LAMP FUEL USED IN HOLLOWICK
DISPOSABLE CELLS

SARA 302 Status
Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Classification
"Immediate (acute) health hazard"

SARA 313 Chemical Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US. EPA CERCLA Hazardous Substances (40 CFR 302)
Components
None

HAZARD RATINGS

<table>
<thead>
<tr>
<th>HMIS®</th>
<th>Health</th>
<th>Flammability</th>
<th>Physical Hazard/ Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

INTERNATIONAL REGULATIONS

WHMIS Classification
WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria.

European Union
Classification according to Regulation (EU) 1272/2008.

Aspiration hazard, Category 1
Repeated exposure may cause skin dryness or cracking.

Australia. Inventory of Chemical Substances (AICS) Listed
Japan. Inventory of Existing and New Chemical Substances (ENCS) Listed
Japan. Inventory of Existing Chemical Substances (ISHL) Inventory Listed
Canada. Domestic Substances List (DSL) Inventory Listed
This product or a component is the subject of a Significant New Activity (SNAc) notice under CEPA
Canadian Non-Domestic Substance Listing (NDSL) Not listed
European Inventory of Existing Commercial Chemical Substances (EINECS) Listing Listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS) Listed
Korea. Existing Chemicals Inventory (KECI) Listed
China. Inventory of Existing Chemical Substances (IECSC) Listed
Mexico. National Inventory of Chemical Substances (INSQ) Not listed
New Zealand. Inventory of Chemicals (NZIoC) Listed
Switzerland. Inventory of Notified New Substances (CHINV)  Listed
Taiwan. National Existing Chemical Inventory (NECI)  Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

STATE REGULATIONS

California Prop. 65

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 16: OTHER INFORMATION

Date of Production: June 1st, 2015/Reviewed 6-11-2018

THE DATA AND INFORMATION CONTAINED HEREIN ARE BEING FURNISHED FOR INFORMATIONAL PURPOSES ONLY, UPON THE EXPRESS CONDITION THAT EACH CUSTOMER SHALL MAKE ITS OWN ASSESSMENT OF APPROPRIATE USE AND APPROPRIATE SHIPPING, TRANSFER AND STORAGE MATERIALS AND PROCEDURES FOR HOLLOWICK INC., PRODUCTS. ALTHOUGH BASED ON INFORMATION SOURCES WHICH HOLLOWICK CONSIDERS ACCURATE AND RELIABLE, HOLLOWICK MAKE NO WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, REGARDING THE VALIDITY OF THIS INFORMATION, THE INFORMATION SOURCES UPON WHICH THE SAME ARE BASED, OR THE RESULTS TO BE OBTAINED, AND EXPRESSLY DISCLAIMS LIABILITIES FOR DAMAGES OR INJURIES RESULTING FROM THE USE THEREOF.