SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier
Product Form: Mixture
Product Name: LESCO Horticultural Oil - EPA Registration No.: 10404-66
Synonyms: Superior Oil, Dormant Oil
Other means of identification: Petroleum Hydrocarbon

1.2. Intended Use of the Product
Use of the substance/mixture: Pesticide – Insect Control

1.3. Name, Address, and Telephone of the Responsible Party
Company
LESCO, Inc.
1385 East 36th St
Cleveland, OH 44114
T 216-706-9250

1.4. Emergency Telephone Number
Emergency Number: 1-800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Classification (GHS-US)
Acute Tox. 4 (Inhalation:dust,mist) H332
Carc. 1B H350
Asp. Tox. 1 H304

2.2. Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Danger
Hazard Statements (GHS-US):
H304 - May be fatal if swallowed and enters airways
H332 - Harmful if inhaled
H350 - May cause cancer

Precautionary Statements (GHS-US):
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing mist, spray, vapors
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear eye protection, protective clothing, protective gloves
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P308+P313 - If exposed or concerned: Get medical advice/attention
P312 - Call a POISON CENTER or doctor if you feel unwell
P331 - If swallowed, do NOT induce vomiting
P405 - Store locked up
P501 - Dispose of contents/container to local, regional, national, and international regulations

2.3. Other Hazards
No additional information available
2.4. Unknown Acute Toxicity (GHS-US)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, solvent-refined light paraffinic</td>
<td>(CAS No) 64741-89-5</td>
<td>80 - 100</td>
<td>Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 1B, H350 Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Distillates, petroleum, solvent-refined heavy paraffinic</td>
<td>(CAS No) 64741-88-4</td>
<td>0 - 20</td>
<td>Acute Tox. 4 (Inhalation:dust,mist), H332 Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Proprietary surfactant</td>
<td>(CAS No) Proprietary</td>
<td>.1 - 1</td>
<td>Not classified</td>
</tr>
<tr>
<td>Proprietary phenol</td>
<td>(CAS No) Proprietary</td>
<td>.1 - 1</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/Injuries After Inhalation: Harmful if inhaled.
Symptoms/Injuries After Skin Contact: Contact during a long period may cause light irritation.
Symptoms/Injuries After Eye Contact: May cause eye irritation.
Symptoms/Injuries After Ingestion: May be fatal if swallowed and enters airways.
Chronic Symptoms: May cause cancer.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use water jet. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture
Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters
Firefighting Instructions: Exercise caution when fighting any chemical fire.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
6.1.1. For Non-emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2. For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.
6.2. Environmental Precautions
Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Absorb and/or contain spill with inert material, then place in suitable container. Clear up spills immediately and dispose of waste safely.

6.4. Reference to Other Sections
See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Additional Hazards When Processed: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Precautions for Safe Handling: Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.
Storage Area: Store locked up.

7.3. Specific End Use(s) Horticultural oil

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters
No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

8.2. Exposure Controls
Appropriate Engineering Controls : Ensure all national/local regulations are observed.

Hand Protection : Protective gloves.
Eye Protection : Chemical goggles or safety glasses.
Skin and Body Protection : Wear suitable protective clothing.
Respiratory Protection : If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.
Other Information : When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties
Physical State : Liquid
Appearance : Colorless.
Odor : Slight hydrocarbon.
Odor Threshold : No data available
pH : No data available
Relative Evaporation Rate (butylacetate=1) : No data available
Melting Point : No data available
Freezing Point : No data available
Boiling Point : No data available
Flash Point : No data available
Auto-ignition Temperature : No data available
Decomposition Temperature : No data available
Flammability (solid, gas) : No data available
**Vapor Pressure**: < 0.0001 mm Hg @20°C
**Relative Vapor Density at 20 °C**: No data available
**Relative Density**: No data available
**Specific Gravity**: 0.86
**Solubility**: Water: Nil
**Log Pow**: No data available
**Log Kow**: No data available
**Viscosity, Kinematic**: No data available
**Viscosity, Dynamic**: No data available
**Explosive Properties**: No data available
**Oxidizing Properties**: No data available
**Explosive Limits**: Not applicable

### 9.2. Other Information

**VOC content**: Nil

### SECTION 10: STABILITY AND REACTIVITY

10.1 **Reactivity**: Hazardous reactions will not occur under normal conditions.
10.2 **Chemical Stability**: Product is stable.
10.3 **Possibility of Hazardous Reactions**: Hazardous polymerization will not occur.
10.4 **Conditions to Avoid**: Direct sunlight. Extremely high or low temperatures. Sparks, heat, open flame and other sources of ignition.
10.5 **Incompatible Materials**: Strong acids. Strong bases. Strong oxidizers.
10.6 **Hazardous Decomposition Products**: Carbon oxides (CO, CO2). Hydrocarbons.

### SECTION 11: TOXICOLOGICAL INFORMATION

11.1 **Information On Toxicological Effects**

**Acute Toxicity**: Harmful if inhaled.

<table>
<thead>
<tr>
<th>Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
</tr>
<tr>
<td>LC50 Inhalation Rat (mg/l)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Distillates, petroleum, solvent-refined heavy paraffinic (64741-88-4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
</tr>
<tr>
<td>LD50 Dermal Rabbit</td>
</tr>
<tr>
<td>LC50 Inhalation Rat (mg/l)</td>
</tr>
</tbody>
</table>

**Skin Corrosion/Irritation**: Not classified
**Serious Eye Damage/Irritation**: Not classified
**Respiratory or Skin Sensitization**: Not classified
**Germ Cell Mutagenicity**: Not classified
**Carcinogenicity**: May cause cancer.

**Reproductive Toxicity**: Not classified

**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.

**Potential Adverse Human Health Effects and Symptoms**: Harmful if inhaled.
**Symptoms/Injuries After Inhalation**: Harmful if inhaled.
**Symptoms/Injuries After Skin Contact**: Contact during a long period may cause light irritation.
**Symptoms/Injuries After Eye Contact**: May cause eye irritation.
**Symptoms/Injuries After Ingestion**: May be fatal if swallowed and enters airways.

**Chronic Symptoms**: May cause cancer.

### SECTION 12: ECOLOGICAL INFORMATION

12.1 **Toxicity**
**LESCO Horticultural Oil**

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

**Distillates, petroleum, solvent-refined light paraffinic** (64741-89-5)

<table>
<thead>
<tr>
<th>LC50 Fish 1</th>
<th>&gt; 5000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)</td>
</tr>
</tbody>
</table>

**Distillates, petroleum, solvent-refined heavy paraffinic** (64741-88-4)

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<td>EC50 Daphnia 1</td>
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</tr>
</tbody>
</table>

12.2. Persistence and Degradability

**LESCO Horticultural Oil**

Persistence and Degradability: Not established.

12.3. Bioaccumulative Potential

**LESCO Horticultural Oil**

Bioaccumulative Potential: Not established.

12.4. Mobility in Soil

No additional information available.

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

13.1. Waste treatment methods

Waste Disposal Recommendations:

Pesticide Product: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Pesticide Container: Nonrefillable container. Do not reuse this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ⅛ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Additional Information: Dispose of waste material in accordance with all local, regional, national, and international regulations.

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**SECTION 14: TRANSPORT INFORMATION**

In Accordance With ICAO/IATA/IMDG/DOT

14.1. UN Number Not regulated for transport

14.2. UN Proper Shipping Name Not regulated for transport

14.3. Additional Information

Other information: No supplementary information available.

Transport by Sea: Not regulated for transport

Air Transport: Not regulated for transport

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**SECTION 15: REGULATORY INFORMATION**

15.1 US Federal Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Distillates, petroleum, solvent-refined heavy paraffinic (64741-88-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 US State Regulations

Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)

U.S. - Massachusetts - Right To Know List

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

Distillates, petroleum, solvent-refined heavy paraffinic (64741-88-4)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term
SECTION 16: OTHER INFORMATION

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Acute Tox. 4 (Inhalation:dust,mist) Acute toxicity (inhalation:dust,mist) Category 4
Asp. Tox. 1 Aspiration hazard Category 1
Carc. 1B Carcinogenicity Category 1B
H304 May be fatal if swallowed and enters airways
H332 Harmful if inhaled
H350 May cause cancer

NFPA Health Hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA Fire Hazard: 1 - Must be preheated before ignition can occur.
NFPA Reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given
Flammability: 1 Slight Hazard
Physical: 0 Minimal Hazard

IMPORTANT: The information contained herein is based on available data. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof; and you should make your investigation to determine safety for the use you contemplate. LESCO makes no warranty of merchantability or fitness for a particular use, nor is there any other express or implied warranty except as may be specifically provided otherwise on product. LESCO, Inc. assumes no responsibility or liability for any incidental or consequential damages whether related to personal injury or property damage, to vendees, users or third parties, caused by the material and LESCO’s responsibility is limited to replacement of, or repayment of, the purchase price for the material(s) with respect to which any damages are claimed. All vendees or users assume all risk associated with the use of the material(s).

SDS US (GHS HazCom) - US Only