Material Safety Data Sheet

Identity (as used on label and list):
Howes Lubricator Diesel Treat

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

SECTION I

Manufacture's Name & Address:
R.B. Howes & Co., Inc.
P.O. Box 100
Coventry, RI 02816

Emergency Telephone Number:
1-800-438-9080 or 1-401-294-5500

SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity - Common Name)</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other limits recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severely Hydrotreated Petroleum Oil</td>
<td>64742-52-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heavy Aromatic Naptha</td>
<td>64742-94-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Severely Refined Petroleum</td>
<td>64742-01-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrotreated Petroleum Distillate</td>
<td>64742-47-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Methyl Carbitol</td>
<td>111-77-3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL / CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Boiling Point: 172 C / 342 F</th>
<th>Specific Gravity (H2O=1): &lt; .9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (mm Hg.): &lt; .1mm</td>
<td>Melting Point: N/A</td>
</tr>
<tr>
<td>Vapor Density (AIR=1): &gt; 1</td>
<td>Evaporation Rate (Butyl Acetate=1): .01</td>
</tr>
<tr>
<td>Solubility in Water: NIL</td>
<td>Appearance and Odor: Light amber with distinctive odor</td>
</tr>
</tbody>
</table>

SECTION IV - FIRE and EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Flash Point (Method Used): 71 C / 160 F Min. (Cleveland Closed Cup)</th>
<th>Flammable Limits: Not Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing Media: Foam, Dry Chem, CO2, Water Fog or Spray</td>
<td></td>
</tr>
<tr>
<td>Special Fire Fighting Procedures: Use air supplied breathing equipment for enclosed areas. Avoid Breathing vapor or fumes. Cool exposed containers with water spray.</td>
<td></td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards: N/A</td>
<td></td>
</tr>
</tbody>
</table>

SECTION V - REACTIVITY DATE

| Stability: Unstable | Conditions to Avoid: N/A |

[Reproduced Locally]

OSHA 174, Sept. 1985
### Conditions to Avoid:

<table>
<thead>
<tr>
<th>Incompatibility (Material to Avoid):</th>
<th>May Occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strong oxidants like liquid chlorine or concentrated oxygen.</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hazardous Decomposition or Byproducts:</th>
<th>Will Not Occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Oxides (CO, CO2)</td>
<td>N/A</td>
</tr>
<tr>
<td>Smoke: asphyxiants when burning.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Stable</th>
<th>X</th>
</tr>
</thead>
</table>

**SECTION VI - HEALTH HAZARD DATA**

**Route(s) of Entry:**
- Inhalation?
  - TLV 5mg / mg3 for oil mist in the air
- Skin?
  - Prolonged contact
- Ingestion?
  - Poisonous

**Health Hazards (Acute and Chronic):**
- Prolonged or repeated skin contact may cause skin irritation. Ingestion harmful or fatal if not treated.
- Prolonged exposure to heavy concentrations of fumes may cause irritation to mucus membranes and airway.

**Carcinogenicity:**
- NTP? N/A
- OSHA FIARC Monographs? N/A
- OSHA Regulated? N/A

**Signs and Symptoms of Exposure:**
- Eyes, skin or air passages may become red and irritated. Ingestion may cause cramps and nausea.

**Medical Conditions Generally Aggravated by Exposure:**
- Respiratory diseases such as asthma. Cuts, rashes or similar skin diseases may be adversely affected by prolonged or repeated exposure.

**Emergency and First Aid Procedures:**
- Skin contact: Wash with soap and water.
- Eye Contact: Flush with water for 15 minutes, or until irritation subsides.
- Ingestion: Do not induce vomiting. Water may be given slowly. Contact physician immediately.
- Inhalation: Remove to fresh air.
- Additionally: In all cases, if symptoms persist, contact physician.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to be Taken in Case Material is Released or Spilled:**
- Recover free liquid. Use oil absorbents to clean up trace amounts. Prevent contamination of sewers and open water courses.

**Waste Disposal Method:**
- Dispose in accordance with local, State and Federal Regulations.

**Precautions to be Taken in Handling and Storing:**
- Keep containers closed when not in use. Do not handle near heat, sparks, flame or strong oxidants.

**Other Precautions:**
- N/A

**SECTION VIII - CONTROL MEASURES**

**Respiratory Protection (Specific Type):**
- Not normally needed

**Ventilation**
- Local Exhaust: As necessary for 5mg / mg3 TLV
- Special: N/A
- Mechanical (General): N/A
- Other: N/A

**Protective Gloves:**
- If needed to avoid prolonged contact.

**Eye Protection:**
- Splash goggles to avoid contact.

**Other Protective Clothing or Equipment:**
- Not normally needed. Apron could be used to avoid contact with clothing.

**Work Hygienic Practices:**
- Accepted practices aimed at minimizing contact.