Keystone Technologies Inc.

MATERIAL SAFETY DATA SHEET – FLUORESCENT LAMPS

Fluorescent lamps manufactured for Keystone Technologies Inc. are exempted from the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) because they are “articles”. The following information is provided by Keystone Technologies Inc. as a courtesy to its customers.

I. PRODUCT INFORMATION

   Product Name: T8 Linear Fluorescent Lamp

II. HAZARDOUS INGREDIENTS

THERE ARE NO KNOWN HEALTH HAZARDS FROM EXPOSURE TO LAMPS THAT ARE INTACT. If the lamp is broken the following materials may be released:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>% by weight</th>
<th>Exposure Limits In Air (mg/cubic meter)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>ACGIH(TLV)</td>
</tr>
<tr>
<td>Mercury *</td>
<td>7439-97-6</td>
<td>&lt;0.1</td>
<td>0.05</td>
</tr>
<tr>
<td>Tin</td>
<td>7440-31-5</td>
<td>0-&lt;1</td>
<td>2.0</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
<td>0-&lt;1</td>
<td>0.5</td>
</tr>
<tr>
<td>Argon</td>
<td>7440-37-1</td>
<td>0-&lt;1</td>
<td>**</td>
</tr>
<tr>
<td>Neon</td>
<td>7440-01-9</td>
<td>0-&lt;1</td>
<td>**</td>
</tr>
<tr>
<td>Xenon</td>
<td>7440-63-3</td>
<td>0-&lt;1</td>
<td>**</td>
</tr>
</tbody>
</table>

* This chemical is subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

** The TLV for a simple asphyxiant is a minimal atmospheric oxygen content of 18% by volume at atmospheric pressure.

III. PHYSICAL PROPERTIES

Not applicable to intact lamp.

IV. FIRE AND EXPLOSION HAZARD

Flammability: Non-combustible
Fire Extinguishing Materials: Use extinguishing media suitable for surrounding fire.
Special Firefighting Procedures: Use a self contained breathing apparatus to prevent inhalation dust and/or fumes that may be generated from broken lamps during firefighting activities.
Unusual Fire and Explosion Hazards: When exposed to high temperature toxic fumes may be released from broken lamps.
Keystone Technologies Inc.

V. REACTIVITY DATA

Stability: Stable.
Conditions to avoid: None for intact lamps.
Incompatibility (materials to avoid): None for intact lamps.
Hazardous Decomposition Products: None for intact lamps.
Hazardous Polymerization Products: Will not occur.

VI. HEALTH HAZARDS

THERE ARE NO KNOWN HEALTH HAZARDS FROM LAMPS THAT ARE INTACT. No adverse effects are expected from occasional exposure to broken lamps. As a matter of good practice, avoid prolong or frequent exposure to broken lamps unless there is adequate ventilation. The major hazard from broken lamps is the possibility of sustaining glass cuts.

EFFECTS OF OVEREXPOSURE TO BROKEN LAMPS BY INHALATION, INGESTION, OR CONTACT WITH SKIN OR EYE.

Mercury – Exposure to high concentration of vapors for brief periods can cause acute symptoms such as chest pains, shortness of breath, coughing, gingivitis, and salivation.

Inert gases – Inert gases such as Argon, Neon, and Xenon can cause asphyxia by displacing the ambient oxygen. Some symptoms of asphyxia are headache and dizziness.

Tin/Lead Solder – Ingestion or inhalation of dust or fumes must be avoided. Lead is toxic and cumulative, affecting the kidneys, reproductive system, and nervous system. Symptoms of chronic overexposure include insomnia, weakness, irritability, constipation and stomach pains. Tin is not regarded as toxic but excessive exposure can cause fever.

VII. PROCEDURES FOR DISPOSAL OF LAMPS

If lamps are broken, ventilate area where breakage occurred. Clean up with mercury vacuum cleaner or other suitable means that avoid dust and mercury vapor generation. Take usual precautions for collection of broken glass. Clean up requires special care due to mercury droplet proliferation. Place materials in closed containers to avoid generating dust.

It is the responsibility of the generator to ensure proper classification of waste products. To that end, TCLP tests should be conducted on all waste products to determine the ultimate disposition in accordance with all applicable local regulations.
VIII. SPECIAL HANDLING INFORMATION – FOR BROKEN LAMPS

**Ventilation:** Use adequate general and local exhaust ventilation to maintain exposure levels below the PEL or TLV limits. If such ventilation is unavailable, use respirators as specified below.

**Respiratory Prosecution:** Use appropriate NIOSH approved respirators if airborne dust concentrations exceed the PEL or TLV limits. All appropriate requirements set forth in 29 CFR 1910.134 should be met.

**Eye Protection:** OSHA specified safety glasses, goggles or face-shield are recommended if lamps are being broken.

**Hygienic Practice:** After handling broken lamps, wash thoroughly before eating, smoking or using toilet facilities.

ISSUED : 1 Jan, 2009