**Section 1- PRODUCT IDENTIFICATION**

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sb</td>
<td>Antimony</td>
</tr>
</tbody>
</table>

**Section 2- HAZARDOUS INGREDIENTS**

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

<table>
<thead>
<tr>
<th>MATERIAL OR COMPONENT</th>
<th>CAS NUMBER</th>
<th>WT%</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL (Mg/M³)</td>
</tr>
<tr>
<td>Antimony</td>
<td>7440-36-0</td>
<td>100</td>
<td>0.5mg/M³</td>
</tr>
</tbody>
</table>

**Section 3- PHYSICAL DATA**

<table>
<thead>
<tr>
<th>MATERIAL IS (AT NORMAL CONDITIONS)</th>
<th>APPERANCE AND ODOR</th>
<th>SPECIFIC GRAVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Solid</td>
<td>Gas</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MELTING POINT (BASE METAL)</th>
<th>680°C</th>
</tr>
</thead>
</table>

**Section 4- FIRE AND EXPLOSION**

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**EXTINGUISHING MEDIA**

In solid form, antimony is not readily flammable. If ground into powder, or if vapors are produced, it presents a moderate fire and explosion hazard. Do not use halogenated extinguishers or water. Smother flames with dry powdered dolomite or other suitable dry powdered extinguishing agents.

**SPECIAL FIRED FIGHTING PROCEDURES**

No special fire fighting procedures needed. Use normal procedures, which include wearing NIOSH/OSHA approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

None
Section 5- REACTIVITY DATA

<table>
<thead>
<tr>
<th>STABILITY</th>
<th>INCOMPATABILITY (MATERIALS TO AVOID)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable in solid form</td>
<td>Acids, oxidizers, halogenated compounds, chlorine &amp; trifluoride.</td>
</tr>
</tbody>
</table>

CONDITIONS TO AVOID

**Thermal decomposition**

HAZARDOUS DECOMPOSITION PRODUCTS

SbH³ & Sb2O³

Section 6- HEALTH HAZARD GUIDE

**MAJOR EXPOSURE HAZARD**

- Inhalation
- Skin
- Skin Absorption
- Eye Contact
- Ingestion

**EFFECTS OF OVEREXPOSURE**

**INHALATION**: May cause pneumonitis, liver and kidney abnormalities.

**SKIN CONTACT**: May cause dermatitis, skin lesions.

**EYE CONTACT**: No effects reported.

**INGESTION**: May cause liver and kidney abnormalities.

**EMERGENCY & FIRST AID PROCEDURES**

**INHALATION**: No specific information available. One should seek medical attention.

**SKIN CONTACT**: Remove contaminated clothing, flood skin with large amounts of water.

**EYE CONTACT**: Wash eyes immediately with large amounts of water occasionally lifting both upper and lower lids for at least fifteen minutes.

**INGESTION**: No data available, but one should obtain medical attention.

Section 7- SPILL OR LEAK PROCEDURES

**SPILL OR LEAK PROCEDURES**

While wearing full protective equipment, cover spill with dry sand or vermiculite. Mix well and carefully transfer to a container.

**WASTE DISPOSAL METHODS**

Observe all federal, state and local regulations when storing or disposing of this substance.

Section 8- SPECIAL PROTECTION

**RESPIRATORY**

N/A

**VENTILATION**

Laboratory fume hood.

**EYE PROTECTION & PROTECTIVE CLOTHING**

Eye protection/safety goggles are advised along with fully covered clothing and rubber gloves.

Section 9- SPECIAL PRECAUTIONS

Handling and storage: Keep container tightly closed. Store in cool, dry, well-ventilated area. Wash hands thoroughly after use. Wear lab coat and apron, flame and chemical resistant coveralls. Eye wash capable for sustained flushing, safety drench shower and hygienic facilities for washing.

The information in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any representation or warranty, express or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.