MATERIAL SAFETY DATA SHEET
ANTIMONY OXIDE

Product/Material: Antimony Oxide
Address: 13th Street & 11th Avenue, New Brighton, PA 15066
Emergency Tel. No.: (724) 846-4000

SECTION I - Product Identification

Trade Name: Antimony Oxide
Synonym: Antimony Trioxide
Chemical Family: Metal Oxide
Formula: Sb₂O₃ (CAS 1309-64-4)

Antimony Trioxide may be reportable under SARA title III Sections 311 and 312 and is reportable under Section 313.

SECTION II - Hazardous Ingredients

<table>
<thead>
<tr>
<th>Identity</th>
<th>CAS No</th>
<th>%</th>
<th>ACGIH TLV</th>
<th>ACGIH STEL</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony Oxide</td>
<td>1309-64-4</td>
<td>99.5</td>
<td>0.5 mg/m³ as Sb</td>
<td>NONE</td>
<td>0.5 mg/m³ as Sb</td>
</tr>
<tr>
<td>Arsenic</td>
<td>7440-38-2</td>
<td>&lt;0.3</td>
<td>0.01 mg/m³ as As</td>
<td>NONE</td>
<td>0.01 mg/m³ as As</td>
</tr>
<tr>
<td>Lead</td>
<td>7439-92-1</td>
<td>&lt;0.25</td>
<td>0.15 mg/m³ as Pb</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>

SECTION III - Physical Data

Boiling Point (°F): 2922
Vapor Pressure (mm Hg): Not Applicable
Vapor Density: Not Applicable
Solubility in Water: Very slight
Specific Gravity (H₂O = 1): 5.67
Percent Volatile by Weight: NA
Evaporation Rate: NA
Appearance and Odor: Fine white odorless powder

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used): Non-flammable
Flammable Limits: LEL: Non-flammable
UEL: Non-flammable
Extinguishing Media: Not applicable
Special Fire Fighting Procedures: Wear NIOSH/MSHA approved dust respirator and protective clothing in accordance with 29 CFR 1910.133 and 134
Unusual Fire and Explosion Hazards: Not applicable

SECTION V - Health Hazard Data

Threshold Limit Values: TWA: 0.5 mg/m³

Inhalation: Can cause irritation to the respiratory tract and mucous membranes.
Antox is not a carcinogen (Bio/Dynamics' chronic whole-body inhalation study, 86-89)

Eye contact: May be irritating

Skin contact: Prolonged or frequent contact with the skin can result in irritation and skin lesions.
Irritation of the skin by antimony trioxide will be increased by perspiration or moisture.

Emergency and first aid procedures:

Inhalation: Remove to fresh air
Eye contact: Flush eyes thoroughly with water
Skin contact: Wash with soap and water
Ingestion: Drink a quart of water and induce vomiting
Antimony Oxide

SECTION VI - REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to avoid): None known
Hazardous polymerization: Will not occur

Conditions to avoid: None
Hazardous decomposition products: None
Conditions to avoid: None

SECTION VII - SPILL OR LEAK PROCEDURES

Packaging size: 999 lbs. or less
DOT Shipping name: Antimony Trioxide
DOT Hazard Class: N/A

Packaging size: 1000 lbs. and greater
DOT Shipping name: RQ ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (Antimony trioxide) 9, UN3077, PGIII
dOT Hazard Class: 9

Steps to be taken in case material is released or spilled:
Vacuum or sweep all spilled material without creating dust and place in closed plastic bags for disposal.

Waste disposal method:
Dispose of material in accordance with all Federal, state and local air pollution water pollution and solid waste regulations. Burial in a EPA-approved Hazardous waste landfill is recommended.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory protection: Specify type NIOSH/MSHA approved for toxic dust
Ventilation: Local exhaust to maintain employee exposure below OSHA permissible exposure
Mechanical (General)

Protective gloves: Neoprene or rubber.
Eye protection: Chemical Safety glasses.
Other protective equipment: Long sleeved shirt

Antimony Trioxide is listed in the EPA-TSCA inventory, 1980.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing:
When handling, wear gloves, long sleeved shirt and safety glasses.

Store in well ventilated dry area.

Other precautions: Do not store in open inadquate mislabeled packaging.
Revision date: 7/02

NOTICE: The data and recommendations presented herein are based upon data which is considered to be accurate. However, CCC makes no guarantee or warranty, either expressed or implied, of the accuracy or completeness of these data and recommendations.