**Section 1- PRODUCT IDENTIFICATION**

<table>
<thead>
<tr>
<th>COMPOSITION</th>
<th>PRODUCT NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ga2O3</td>
<td>Gallium Oxide</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>12024-21-4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ga2O3</td>
<td></td>
<td>ND</td>
<td>OSHA PEL (Mg/M3) ACGIH TLV(MG/M3)</td>
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<td></td>
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</table>

**Section 3- PHYSICAL DATA**

- **MATERIAL IS (AT NORMAL CONDITIONS):** Liquid
- **APPERANCE AND ODOR:** White crystalline powder. No odor.
- **SPECIFIC GRAVITY:**

**Section 4- FIRE AND EXPLOSION**

- **Flash Point (Method Used):** N/A
- **Flammable Limits:** Non flammable
- **LEL:** N.A.
- **UEL:** N.A.

**EXTINGUISHING MEDIA**

- Use dry chemical, Co2.

**SPECIAL FIRED FIGHTING PROCEDURES**

- Wear a self-contained breathing apparatus and full protective clothing.
- **UNUSUAL FIRE AND EXPLOSION HAZARDS**

  **Ca2O3 may emit acrid smoke and fumes when involved in a fire.**

**Section 5- REACTIVITY DATA**

- **STABILITY:** Stable
- **INCOMPATABILITY (MATERIALS TO AVOID):** None
- **CONDITIONS TO AVOID:** None
- **HAZARDOUS DECOMPOSIOTION PRODUCTS:** None

**Section 6- HEALTH HAZARD GUIDE**

**MAJOR EXPOSURE HAZARD**

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

**INHALATION:** Mild respiratory irritant.

**SKIN/EYE:** Dusts or powders may cause eye and skin irritation.

**ABSORPTION:** May affect peripheral nerves and sensation, causing flaccid apralysis without anesthesia. Behavioral changes such as somnolence and loss of appetite may be noted. Other symptoms may include vomiting, metallic taste in mouth, general itching and sweating.

**EMERGENCY & FIRST AID PROCEDURES**

- **INHALATION:** Remove from exposed area to fresh air.
- **INGESTION:** Give 1-2 glasses of water and induce vomiting.
- **SKIN CONTACT:** Wash affected area with soap and water.
- **EYES:** Rinse with warm water for at least fifteen minutes lifting lower and upper eyelids.
Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCEDURES
Wear a self contained breathing apparatus and full protective clothing. Isolate spill and provide ventilation. Vacuum up spill and place in a container for proper disposal.

WASTE DISPOSAL METHODS
Dispose of in accordance with applicable federal, state and local regulations.

Section 8- SPECIAL PROTECTION

RESPIRATORY
NIOSH approved dust-mist respirator.

VENTILATION
Local exhaust: Maintain adequate exposure.
Mechanical Exhaust: Recommended.

EYE PROTECTION & PROTECTIVE CLOTHING
Safety glasses, neoprene gloves and protective gear suitable to prevent contamination.

Section 9- SPECIAL PRECAUTIONS

Store in a tightly closed container in a cool, dry location. Wash hands and face thoroughly after handling and before eating or smoking.

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