**MATERIAL SAFETY DATA SHEET**

**SECTION I NAME**

<table>
<thead>
<tr>
<th>Principal Component(s)</th>
<th>Mg/L</th>
<th>TLV Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>20</td>
<td>See Section V.</td>
</tr>
<tr>
<td>Water</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WARNING! DO NOT TAKE IF ALLERGIC TO GOLD**

**SECTION II INGREDIENTS OF MIXTURES**

<table>
<thead>
<tr>
<th>Formula</th>
<th>Unit Size</th>
<th>C.A.S. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Au</td>
<td>Up to 20 milligrams / liter</td>
<td>7440-57-5</td>
</tr>
</tbody>
</table>

**SECTION III PHYSICAL DATA**

- **Melting Point (°F):** Already Liquid
- **Boiling Point (°F):** 212
- **Vapor Pressure (mm Hg):** 17.5 @ 20 °C
- **Vapor Density (Air = 1):** N/A
- **Solubility in Water:** Soluble
- **Appearance & Odor:** Clear Ruby Red to Purple, Odorless

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

- **Flash Point (Method Used):** Non-combustible
- **Extinguisher Media:** Any

**SECTION V HEALTH HAZARD DATA**

- **Threshold Limit Value:** N/A ... this is a liquid

**SECTION VI REACTIVITY DATA**

- **Stability:** Unstable
- **Compatibility (Materials to Avoid):** None; gold is unreactive

**SECTION VII SPILL OR LEAK PROCEDURES**

- **Steps to be taken in case material is released or spilled:** Spillage should be absorbed or mopped up and retained for the recovery of 99.99+% pure gold. Wash spill area with soap and water.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

- **Respiration Protection:** None required
- **Ventilation:** Local Exhaust, Mechanical, N/A, Special, Other
- **Protective Gloves:** None required, Eye Protection, None required

**SECTION IX SPECIAL PRECAUTIONS**

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

- **FIRE:** Not a fire hazard.
- **EXPLOSION:** Not an explosion hazard.

**D.O.T. NON-REGULATED.**

Approved by U.S. Department of Labor “essentially similar” to form OSHA-20