1. IDENTIFICATION

Product: Indium,       P/Ns: 900902.901, 915061.901, 984310.901  
MSDS #: 901151.001

Product Use: For laboratory use only.

Date: Rev K, November 28, 2012

2. HAZARDS IDENTIFICATION:

The product is not hazardous in the form in which it is placed on the market and under the normal and recommended conditions of storage and use. The product is considered an article and is not dangerous according to the criteria set by the European Union (EU) or GHS.

The small quantities supplied in our products are unlikely to cause severe or immediate health effects. Use only as directed and in accordance with safe laboratory practices.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

<table>
<thead>
<tr>
<th>CHEMICAL INGREDIENT NAME</th>
<th>CAS NUMBER</th>
<th>EC NUMBER</th>
<th>% by Weight</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>EU IOELV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indium (metal)</td>
<td>7440-74-6</td>
<td>231-180-0</td>
<td>99+</td>
<td>NA</td>
<td>0.1 mg/m³</td>
<td>NA</td>
</tr>
</tbody>
</table>

Notes: Product is a small vial containing a slug of approximately 1 gram of indium metal, to be used only for the purpose of temperature calibration of thermal analysis equipment. Exposure Limits are 8-Hour TWA. (Time Weighted Average) unless designated C (Ceiling) or STEL (Short Term Exposure Limit).

4. FIRST AID MEASURES:

Inhalation: No special measures required,
Skin Contact: No special measures required. Wash or flush with water.
Eye Contact: Flush with water for a minimum of 15 minutes.
Ingestion: Get medical attention.

After following first aid measures, seek medical attention.

5. FIRE-FIGHTING MEASURES:

Flammable Properties: Non flammable.
Extinguishing Media: Dry chemical, carbon dioxide or appropriate foam.
Unique Aspects Contributing To a Fire: None.
Special Fire Fighting Procedures: None.
Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

6. ACCIDENTAL RELEASE MEASURES: Due to small quantities involved, spills or leaks should not pose a significant problem. Sweep up and place wastes into closed containers for proper disposal.

7. HANDLING AND STORAGE: Handle as directed and in accordance with safe laboratory practices.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Handle in accordance with safe laboratory practices.

Respiratory Protection: Not normally needed.
Eye Protection: Safety glasses with side protection.
Skin Protection: No special requirements. Disposable nitrile are acceptable for light intermittent exposure.
Engineering Controls: No special requirements.
9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Silvery white metal

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Flash Point</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>0.01 mmHg@25°C</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Explosion Limits</td>
<td>NA</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>NA</td>
</tr>
<tr>
<td>pH</td>
<td>NA</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>3632°F (2072°C)</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>7.3 g/ml</td>
</tr>
<tr>
<td>Melting Point</td>
<td>313°F (156°C)</td>
</tr>
<tr>
<td>Other</td>
<td>NA</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY:

Hazardous Polymerization: ☒ Will Not Occur  ☐ May Occur

Stability: Stable

Hazardous Decomposition/Combustion Products: None

Conditions & Materials to Avoid: Strong oxidizing agents, sulfur, strong acids

11. TOXICOLOGICAL INFORMATION:

When used and handled according to directions, the product does not have any harmful effects according to our experience and the information provided to us.

Primary Route(s) of Exposure under Normal Use: None

Target Organ(s): NA

Acute Effects: NA

Chronic Effects: NA

Other Information: Chemical Ingredient(s) not classified as carcinogen(s) by OSHA, IARC, NTP, ACGIH, or California.

12. ECOLOGICAL INFORMATION: NA

13. DISPOSAL CONSIDERATIONS: Consult state, local or national regulations for proper disposal. The U.S. Environmental Protection Agency (EPA) does not classify unused product as hazardous waste.


IATA/ICAO: Shipping Name: NA
Hazard Class: NA
UN/NA #: NA
Packing Group #: NA

IMDG: NA
ADR: NA

15. REGULATORY INFORMATION:

U.S. TOSCA: Listed

Canada: This product has been classified according to the hazard criteria of the Controlled Product Registration (CPR) and this SDS contains all the information required by the CPR.

16. OTHER INFORMATION:

<table>
<thead>
<tr>
<th>U.S. EPA</th>
<th>National Fire Protection Association Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA 313 Chemicals</td>
<td>CERCLA RQ</td>
</tr>
<tr>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>4=Severe Hazard</td>
<td>HEALTH NA</td>
</tr>
<tr>
<td>3=Serious Hazard</td>
<td>FLAMMABILITY NA</td>
</tr>
<tr>
<td>2=Moderate Hazard</td>
<td>REACTIVITY NA</td>
</tr>
<tr>
<td>1=Slight Hazard</td>
<td>OTHER NA</td>
</tr>
<tr>
<td>0=Minimal Hazard</td>
<td></td>
</tr>
</tbody>
</table>

Notes, abbreviations and acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS: Chemical Abstracts Service (division of the American Chemical Society)
EC: European Commission
EU IOELV: European Union Indicative Occupational Exposure Limit Values
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
IATA: International Air Transport Association
IMDG: International Maritime Code for Dangerous Goods
OSHA: Occupational Safety and Health Administration

For laboratory use only. Not for drug, household or other uses.

The information contained herein has been compiled from data presented in various technical sources believed to be accurate. Waters makes no warranties and assumes no liability in connection with the use of this information. It is the user’s responsibility to determine the suitability of this information and to assure the adoption of necessary precautions.

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