# International Chemical Safety Cards

## MERCURY

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<th>First Aid/Fire Fighting</th>
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<td><strong>FIRE</strong></td>
<td>Not combustible. Gives off irritating or toxic fumes (or gases) in a fire.</td>
<td>NO contact with flammable substances.</td>
<td>In case of fire in the surroundings: all extinguishing agents allowed.</td>
</tr>
<tr>
<td><strong>EXPLOSION</strong></td>
<td>Risk of fire and explosion on contact with incompatible substances (see Chemical Dangers).</td>
<td>STRICT HYGIENE! AVOID EXPOSURE OF (PREGNANT) WOMEN! AVOID EXPOSURE OF ADOLESCENTS AND CHILDREN!</td>
<td>IN ALL CASES CONSULT A DOCTOR!</td>
</tr>
<tr>
<td><strong>INHALATION</strong></td>
<td>MAY BE ABSORBED!</td>
<td>Protective gloves. Protective clothing.</td>
<td>Remove contaminated clothes. Rinse and then wash skin with water and soap. Refer for medical attention.</td>
</tr>
<tr>
<td><strong>SKIN</strong></td>
<td>Face shield, or eye protection in combination with breathing protection.</td>
<td></td>
<td>First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.</td>
</tr>
<tr>
<td><strong>EYES</strong></td>
<td>Do not eat, drink, or smoke during work. Wash hands before eating.</td>
<td></td>
<td>Refer for medical attention.</td>
</tr>
</tbody>
</table>

### Spillage Disposal
- Evacuate danger area! Consult an expert! Ventilation. Collect leaking and spilled liquid in sealable non-metallic containers as far as possible. Do NOT wash away into sewer. Do NOT let this chemical enter the environment (extra personal protection: complete protective clothing including self-contained breathing apparatus).
- Provision to contain effluent from fire extinguishing. Separated from azides, acetylene, ammonia, food and feedstuffs. Well closed. Ventilation along the floor.

### Storage
- Special material. Do not transport with food and feedstuffs.
- T symbol
- R: 23-33
- S: (1/2)-37-45
- UN Hazard Class: 8
- UN Packing Group: III

## ICSC: 0056

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International Chemical Safety Cards


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PHYSICAL STATE; APPEARANCE:  
ODOURLESS, HEAVY AND MOBILE SILVERY LIQUID METAL.

CHEMICAL DANGERS:  
Upon heating, toxic fumes are formed. Reacts violently with alkali metals, acetylene, azides, ammonia gas, chlorine, chlorine dioxide, sodium carbide and ethylene oxide. Attacks copper and many other metals forming amalgams.

OCCUPATIONAL EXPOSURE LIMITS (OELs):  
TLV: ppm; 0.025 mg/m$^3$ (as TWA) (skin) (ACGIH 1994-1995).  
MAK: 0.01 ppm; 0.1 mg/m$^3$; (1992).

PHYSICAL PROPERTIES  
Boiling point: 357°C  
Melting point: -39°C  
Relative density (water = 1): 13.5  
Solubility in water: none  
Vapour pressure, Pa at 20°C: 0.26  
Relative vapour density (air = 1): 6.93  
Relative density of the vapour/air-mixture at 20°C (air = 1): 1.009

ENVIRONMENTAL DATA  
The substance is very toxic to aquatic organisms. In the food chain important to humans, bioaccumulation takes place, specifically in fish.

NOTES  
Depending on the degree of exposure, periodic medical examination is indicated. No odour warning if toxic concentrations are present. Do NOT take working clothes home.

ADDITIONAL INFORMATION  

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