# International Chemical Safety Cards

## PERACETIC ACID (stabilized)

**ICSC: 1031**

<table>
<thead>
<tr>
<th>Type of Exposure</th>
<th>Acute Hazards/ Symptoms</th>
<th>Prevention</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRE</strong></td>
<td>Flammable. Explosive.</td>
<td>NO open flames, NO sparks, and NO smoking. NO contact with flammable substances. NO contact with hot surfaces.</td>
</tr>
<tr>
<td><strong>EXPLOSION</strong></td>
<td>Above 40.5°C explosive vapour/air mixtures may be formed.</td>
<td>Above 40.5°C use a closed system, ventilation, and explosion-proof electrical equipment. Do NOT expose to friction or shock.</td>
</tr>
</tbody>
</table>

## Exposure

**AVOID ALL CONTACT!**

**INHALATION**

- Burning sensation, Cough.
- Laboured breathing.
- Shortness of breath. Sore throat. Symptoms may be delayed (see Notes).

- Ventilation, local exhaust, or breathing protection.
- Fresh air, rest. Half-upright position. Refer for medical attention. See Notes.

**SKIN**

- MAY BE ABSORBED!
- Protective gloves. Protective clothing.
- First rinse with plenty of water, then remove contaminated clothes and rinse again. Refer for medical attention.

**EYES**

- Face shield, or eye protection in combination with breathing protection.
- First rinse with plenty of water for several minutes (remove contact lenses if possible).
### INGESTION
Abdominal pain. Burning sensation. Shock or collapse.

Do not eat, drink, or smoke during work.

Rinse mouth. Do NOT induce vomiting. Refer for medical attention.

### SPILLAGE DISPOSAL
Evacuate danger area! Consult an expert! Collect leaking liquid in covered plastic containers. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Do NOT absorb in saw-dust or other combustible absorbents. Do NOT wash away into sewer. Do NOT absorb in saw-dust or other combustible absorbents. (Extra personal protection: chemical protection suit including self-contained breathing apparatus). Do NOT let this chemical enter the environment.

Fireproof. Provision to contain effluent from fire extinguishing. Separated from combustible and reducing substances, incompatible materials See Chemical Dangers. Cool. Store only if stabilized.

Note: B, D O symbol C symbol N symbol R: 7-10-20/21/22-35-50 S: 1/2-3/7-14-36/37/39-45-61 UN Hazard Class: 5.2 UN Packing Group: II

### STORAGE
Evacuate danger area! Consult an expert! Collect leaking liquid in covered plastic containers. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Do NOT absorb in saw-dust or other combustible absorbents. Do NOT wash away into sewer. Do NOT absorb in saw-dust or other combustible absorbents. (Extra personal protection: chemical protection suit including self-contained breathing apparatus). Do NOT let this chemical enter the environment.

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### PACKAGING & LABELLING
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### SEE IMPORTANT INFORMATION ON BACK

ICSC: 1031

Prepared in the context of cooperation between the International Programme on Chemical Safety & the Commission of the European Communities (C) IPCS CEC 2000. No modifications to the International version have been made except to add the OSHA PELs, NIOSH RELs and NIOSH IDLH values.

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<table>
<thead>
<tr>
<th>I</th>
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</tr>
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<tbody>
<tr>
<td>PHYSICAL STATE; APPEARANCE:</td>
<td>COLOURLESS LIQUID, WITH</td>
</tr>
<tr>
<td>ROUTES OF EXPOSURE:</td>
<td>The substance can be absorbed into the body by inhalation, through the</td>
</tr>
</tbody>
</table>
### PHYSICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>105°C</td>
</tr>
<tr>
<td>Melting point</td>
<td>0°C</td>
</tr>
<tr>
<td>Relative density (water = 1)</td>
<td>1.2</td>
</tr>
<tr>
<td>Solubility in water:</td>
<td>miscible</td>
</tr>
<tr>
<td>Vapour pressure, kPa at 20°C</td>
<td>2.6</td>
</tr>
<tr>
<td>Relative vapour density (air = 1)</td>
<td>2.6</td>
</tr>
<tr>
<td>Relative density of the vapour/air-mixture</td>
<td>at 20°C (air = 1): 1.04</td>
</tr>
<tr>
<td>Flash point</td>
<td>40.5°C o.c.</td>
</tr>
<tr>
<td>Auto-ignition temperature:</td>
<td>200°C</td>
</tr>
<tr>
<td>Explosive limits, vol% in air:</td>
<td>see Notes</td>
</tr>
</tbody>
</table>

### ENVIRONMENTAL DATA

- The substance is very toxic to aquatic organisms.

### NOTES

Explosive limits are unknown in literature, although the substance is combustible and has a flash point 61°C. Rinse contaminated clothes (fire hazard) with plenty of water. The symptoms of lung oedema often do not become manifest until a few hours have passed and they are aggravated by physical effort. Rest and medical observation is therefore essential. An added stabilizer or inhibitor can influence the toxicological properties of this substance, consult an expert.

Transport Emergency Card: TEC (R)-52G01b
NFPA Code: H3; F2; R4; ox

### ADDITIONAL INFORMATION

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(C) IPCS, CEC, 2000

### IMPORTANT LEGAL NOTICE:

Neither NIOSH, the CEC or the IPCS nor any person acting on behalf of NIOSH, the CEC or the IPCS is responsible for the use which might be made of this information. This card contains the collective views of the IPCS Peer Review Committee and may not reflect in all cases all the detailed requirements included in national legislation on the subject. The user should verify compliance of the cards with the relevant legislation in the country of use. The only modifications made to produce the U.S. version is inclusion of the OSHA PELs, NIOSH RELs and NIOSH IDLH values.