1. Identification of the Product and Company

Product Name: CHLORAL HYDRATE MIXTURE 1g/10mL
Product Code: CHL01218F
Other Names: None allocated
Use: Chloral Hydrate Mixture 1g/10mL may be used as a sedative & hypnotic.

Company Name & Contact Details
Medical Information Associate
Distributed by Perrigo Australia
Orion Laboratories Pty. Ltd., trading as Perrigo Australia
ABN 56 009 293 136
25-29 Delawney Street, Balcatta, Western Australia 6021 AUSTRALIA
Telephone (all hours): +618 9441 7800
FREE PHONE: 1800 805 546 FREE FAX: 1800 004 110
EMAIL: customerservice@perrigo.com.au; WEBSITE: www.perrigo.com.au
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Other Information
All reasonable care has been taken to ensure information and advice contained in this data sheet is accurate at time of printing. However, Orion accepts no liability for any loss or damages suffered as a consequence of reliance on the information contained herein.

2. Hazards Identification

Hazard Classification This product is hazardous. This product is not dangerous.
Risk phrase(s) R25 – Toxic if swallowed
R36/36 Irritating to eyes and skin.
Safety phrase(s) S(1/2) – Keep locked up and out of reach of children
S25 – Avoid contact with eyes
S45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible)

3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Entity</th>
<th>CAS No:</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sucrose</td>
<td>57-50-1</td>
<td>10 - 30% w/v</td>
</tr>
<tr>
<td>Chloral Hydrate</td>
<td>302-17-0</td>
<td>10% w/v</td>
</tr>
<tr>
<td>Citric Acid Anhydrous</td>
<td>77-92-9</td>
<td>&lt; 10% w/v</td>
</tr>
<tr>
<td>Sodium Citrate</td>
<td>6132-04-3</td>
<td>&lt; 10% w/v</td>
</tr>
<tr>
<td>Saccharin Sodium</td>
<td>128-44-9</td>
<td>&lt; 10% w/v</td>
</tr>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>10% - 30% w/v</td>
</tr>
<tr>
<td>Methyl Hydroxybenzoate</td>
<td>99-76-3</td>
<td>&lt; 10% w/v</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>&lt; 10% w/v</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>10% - 30% w/v</td>
</tr>
<tr>
<td>Flavour</td>
<td></td>
<td>&lt; 10% w/v</td>
</tr>
<tr>
<td>Purified Water</td>
<td>7732-18-5</td>
<td>to 100%</td>
</tr>
</tbody>
</table>

4. First Aid Measures

Inhalation: If necessary, take patient to fresh air.
Ingestion: Give plenty of water to drink. Contact a doctor or Poisons Information Centre (Australia 13 11 26).
Skin: Wash off with soap water. Remove contaminated clothing; launder before re-use.
Eye: Hold eyes open and gently flush with running water for 15 minutes. Seek medical attention.
Advice to Doctor: Treat symptomatically
5. Fire Fighting Measures

Extinguishing Media  Water fog, carbon dioxide, dry chemical powder, or foam.

Hazards from Combustion products  Not flammable but may produce toxic / irritating fumes if in fire.

Precautions & Equipment for Fire Fighters  Fire-fighters should wear self-contained breathing apparatus as exposure to vapour or combustion products is likely.

Hazchem Code  2X

6. Accidental Release Measure

Stop & contain spill; avoid entry into drains & waterways; use inert absorbent material (sand, vermiculite). Dispose all waste containers in accordance with local authority guidelines. Ventilate area well. Cleanup personnel to wear suitable respirator to minimise inhalation & protective clothing (eg gloves) to avoid skin contact.

7. Handling and Storage

Safe Handling Practices  Not hazardous for the purposes of storage and transport.

Storage  Store below 25°C and protect from light.

Other Information  No data

8. Exposure Controls; Personal Protection

Exposure Limits: Exposure standards for Chloral Hydrate Mixture 1g/10mL have not been determined.

Engineering Controls  Precautions are not usually required. Maintain adequate ventilation at all times.

Personal Protection  Not usually required.

9. Physical and Chemical Properties

Appearance/odour: A clear, colourless, syrup solution with an odour of peppermint.

pH: 4.4 - 6.0  Freezing/Melting Point: Not known

Vapour Pressure: Not known  Solubility: Miscible @20°C

Vapour Density: Not known  Specific Gravity or Density: 1.15 - 1.21 g/mL @20°C

Boiling Point: Not known

10. Chemical Stability and Reactivity Information

Conditions Contributing to Instability  Stable under normal conditions of use.

Hazardous Polymerisation  Will not occur

Incompatible Materials  No data available

Conditions to Avoid  No data available

Hazardous Decomposition  Not known

11. Toxicological Information

Toxicity data for Chloral Hydrate Mixture 1g/10mL has not been determined. Toxicity data of chloral hydrate (raw material) may be of use.

Oral LDLo (human)  4mg/kg (Lowest lethal dose)  Oral TDLo (human)  300mg/kg (Lowest toxic dose)

Minimum toxic dose  2g  Fatal dose  10g

Inhalation: Negligibly volatile - not expected to be hazardous.
Ingestion: Ingestion may lead to gastric irritation, causing nausea and vomiting. Cardiac and respiratory failure will also occur.

Skin: Slightly acidic solution - may irritate skin.

Eye: Slightly acidic solution - may irritate eyes.

12. Ecological Information

Mobility: No data available
Persistence and Degradability: No data available
Ecotoxicity: No data available

13. Disposal Considerations

Disposal Methods & Containers: Empty containers should be decontaminated by rinsing with water prior to disposal, in accordance with local authority guidelines.
Special Disposal for Landfill or Incineration: Waste material may be incinerated under controlled conditions where permitted. Refer to local Waste Management Authority Regulations for other approved methods.

14. Transport Information

UN Number: None allocated
UN Proper Shipping Name: None allocated
DG Class & Subsidiary Risk: None allocated
Packing Group: None allocated
Hazchem Code: 2X

15. Regulatory Information

Poisons Schedule: Classified as S4 (Prescription Only Medicine)
Hazard Category: Irritant

16. Other Information

References:
- Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)] Worksafe Australia.
- MSDS Chloral Hydrate, 2 October 2003 ChemSupply.

END OF MSDS