1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name  Ethylenediamine dihydrochloride 1.0% pet
Article Number  E-005
Applications  Diagnosis of contact allergy.
Manufacturer  Chemotechnique MB Diagnostics AB
Modemgatan 9
SE-235 39 Vellinge
lab@chemotechnique.se
Telephone  +46 (0) 40 466 077 (Monday-Friday 8.00-16.00 GMT+1)
Fax  +46 (0) 40 466 700

2. HAZARD IDENTIFICATION

Health hazards
The objective of applying a hapten on the patient’s skin is the diagnosis of contact allergy. Localized dermal allergic reaction may occur at test site.

Signs and symptom of exposure
Dermal irritation.

Medical conditions aggravated by exposure
Dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classification according to (EC) No. 1272/2008 [EU-GHS/CLP]

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petrolatum</td>
<td>8009-03-8</td>
<td>99.0%</td>
<td>-</td>
</tr>
<tr>
<td>Ethylenediamine dihydrochloride</td>
<td>333-18-6</td>
<td>1.0%</td>
<td>Acute tox. 4; Skin irrit. 2; Eye irrit. 2; Resp. sensit. 1; Skin sensit. 1; Spec. targ. org. tox. - single exp. 3; H302, H315, H317, H319, H334, H335</td>
</tr>
</tbody>
</table>

Classification according to EU Directive 67/548/EEC and 1999/45/EC

<table>
<thead>
<tr>
<th>Component</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Petrolatum</td>
<td>8009-03-8</td>
<td>99.0%</td>
<td>Xn; R22, R36/37/38, R42/43</td>
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<tr>
<td>Ethylenediamine dihydrochloride</td>
<td>333-18-6</td>
<td>1.0%</td>
<td>-</td>
</tr>
</tbody>
</table>
4. **FIRST AID MEASURES**

   **Emergency and first aid procedures**
   Obtain medical attention.

5. **FIRE-FIGHTING MEASURES**

   **Suitable extinguish media**
   CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

   **For safety reasons unsuitable extinguishing agents**
   Water with full jet.

   **Special protective equipment for fire-fighters**
   Wear self-contained respiratory protective device. Wear fully protective suit.

   *Data is shown for petrolatum only

6. **ACCIDENTAL RELEASES MEASURES**

   **Steps to be taken if material is released or spilled**
   Contain and place in a closed container.

7. **HANDLING AND STORAGE**

   **Precautions to be taken in handling and storage**
   Store dark at 5-8 C. Avoid extended exposure to light. FOR EXTERNAL USE ONLY.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

   **Respiratory protection**
   Not required.

   **Ventilation**
   Local exhaust.

   **Protective gloves**
   Disposal gloves.

   **Eye protection**
   Not required with normal use.

   **Work/Hygienic practices**
   Wash hands after each use.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Ivory White Semi-solid</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Melting point*</td>
<td>50-55° C</td>
</tr>
</tbody>
</table>
Boiling point* No data available
Flash point* >100°C
Self ignition* Product does not self ignite.
Danger of explosion* Product does not present an explosion hazard.
Density* No data available.
Solubility in/Miscibility with Water* Insoluble

*Data is shown for petrolatum only

10. STABILITY AND REACTIVITY

Incompatibility
May react with strong oxidizing agents.

Stability
Stable at recommended storage conditions.

Hazardous byproducts
Combustion may generate CO, CO2 and other oxides.

Hazardous polymerization
Will not occur.

11. TOXICOLOGICAL INFORMATION

No data available.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Waste disposal method
Comply with federal, state/provincial and local regulation.

14. TRANSPORT INFORMATION

Not dangerous goods.

15. REGULATORY INFORMATION

The classification is according to the latest editions of the EU lists, and extended by company and literature data.

16. OTHER INFORMATION

Text of H-statements and R-phrases mentioned in Section 3

Acute tox. 4 Acute toxicity, oral (Category 4)
Skin irrit. 2 Skin irritation (Category 2)
Eye irrit. 2  Eye irritation (Category 2)
Resp. sensit. 1  Respiratory sensitization (Category 1)
Skin sensit. 1  Skin sensitization (Category 1)
Spec. targ. org. tox. - single exp. 3  Specific target organ toxicity - single exposure (Category 3)

H302  Harmful if swallowed.
H315  Causes skin irritation.
H317  May cause an allergic skin reaction.
H319  Causes serious eye irritation.
H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335  May cause respiratory irritation.
Xn  Harmful
R22  Harmful if swallowed.
R36/37/38  Irritating to eyes, respiratory system and skin.
R42/43  May cause sensitization by inhalation and skin contact.

Pharmaceutical quality of tested hapten is confirmed by Chemotechnique Diagnostics according to validated analytical methods. Hapten passed test according to GMP standards.

Chemotechnique Diagnostics makes no representation as to the comprehensiveness or correctness of the information provided. It is intended only as a guide to a properly trained individual in the appropriate handling of the material.