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

Product Name: Mercapto mix 1.0% pet
Article Number: Mx-05B
Applications: Diagnosis of contact allergy.
Manufacturer: Chemotechnique Diagnostics AB
     Modengatan 9
     SE-235 39 Vellinge
Telephone: +46 (0) 40 466 077 (Monday-Friday 8.00-16.00)
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>N-Cyclohexyl-2-benzothiazyl sulphenamide</td>
<td>95-33-0</td>
<td>0.25%</td>
<td>Resp. sensit. 1, Acute aq. Tox. 1,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Chron. aq. tox. 1; H334, H410</td>
</tr>
<tr>
<td>Dibenzothiazyl disulfide</td>
<td>120-78-5</td>
<td>0.25%</td>
<td>Skin sensit. 1, Acute aq. tox. 1,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Chron. aq. tox. 1; H317, H410, EUH031</td>
</tr>
<tr>
<td>2-Mercaptobenzothiazole (MBT)</td>
<td>149-30-4</td>
<td>0.25%</td>
<td>Skin Sens. 1, Ac. Aq. Tox. 1,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Chron. Aq. Tox. 1; H317, H410</td>
</tr>
<tr>
<td>2-(4-Morpholinymercapto)benzothiazol</td>
<td>102-77-2</td>
<td>0.25%</td>
<td>Eye Irrit. 2, Skin irrit. 2, Skin sensit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1, Chron. aq. tox. 1; H315, H317, H319,</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>H411</td>
</tr>
</tbody>
</table>

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

<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>N-Cyclohexyl-2-benzothiazyl sulphenamide</td>
<td>95-33-0</td>
<td>0.25%</td>
<td>Xi, N; R43, R50/53</td>
</tr>
<tr>
<td>Dibenzothiazyl disulfide</td>
<td>120-78-5</td>
<td>0.25%</td>
<td>Xi, N; R31, R43, R50/53</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.

*Data is shown for petrolatum only

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.

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 sunlight. 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>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pale Yellow/Ivory White</td>
</tr>
<tr>
<td></td>
<td>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

Incompability
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 aq. Tox. 1 Acute aquatic toxicity (Category 1)
Chron. aq. tox. 1 Chronic aquatic toxicity (Category 1)
Eye Irrit. 2 Eye irritation (Category 2)
Resp. sensit. 1 Respiratory sensitization (Category 1)
Skin irrit. 2 Skin irritation (Category 2)
Skin sensit. 1 Skin sensitization (Category 1)
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
H410  Very toxic to aquatic life with long lasting effects
EUH031 Contact with acids liberates toxic gas
N     Dangerous for the environment
Xi    Irritant
R31   Contact with acids liberates toxic gas
R36/38 Irritating to eyes and skin
R43   May cause sensitization by skin contact
R51   Toxic to aquatic organisms
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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.