Safety Data Sheet

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

- **Product Name**: Toluene-2,4-diisocyanate (TDI) 2.0% pet
- **Article Number**: T-009
- **Applications**: Diagnosis of contact allergy.
- **Manufacturer**: Chemotechnique MB Diagnostics AB
  Modemgatan 9
  SE-235 39 Vellinge
  [lab@chemotechnique.se](mailto: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

<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>98.0%</td>
<td>-</td>
</tr>
<tr>
<td>Toluene-2,4-diisocyanate (TDI)</td>
<td>584-84-9</td>
<td>2.0%</td>
<td>Carc. 2, Acute tox. Inhal. 2, Eye irrit. 2, Spec. targ. org. tox. - single exp. 3, Skin irrit. 2, Resp. sensit. 1, Skin sensit. 1, Chron. aq. tox. 3; H315, H317, H319, H330, H334, H335, H351, H412</td>
</tr>
</tbody>
</table>

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

- **Component**: Petrolatum
  - **CAS-No.**: 8009-03-8
  - **Content**: 98.0%
  - **Classification**: -
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

Appearance  Ivory White Semi-solid
Odour | Odourless
---|---
Melting point* | 50-55°C
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
Carc. 2  Carcinogenicity (Category 2)
Acute tox. Inhal. 2  Acute toxicity, Inhalation (Category 2)
Eye irrit. 2  Eye irritation (Category 2)
Spec. targ. org. tox. - single exp. 3  Specific target organ toxicity - single exposure (Category 3)
Skin irrit. 2  Skin irritation (Category 2)
Resp. sensit. 1  Respiratory sensitization (Category 1)
Skin sensit. 1  Skin sensitization (Category 1)
Chron. aq. tox. 3  Chronic aquatic toxicity (Category 3)
H315  Causes skin irritation
H317  May cause an allergic skin reaction
H319  Causes serious eye irritation
H330  Fatal if inhaled
H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335  May cause respiratory irritation
H351  Suspected of causing cancer
H412  Harmful to aquatic life with long lasting effects
T  Toxic
R26  Very toxic by inhalation
R36/37/38  Irritating to eyes, respiratory system and skin
R40  Limited evidence of a carcinogenic effect
R42/43  May cause sensitization by inhalation and skin contact
R52/53  Harmful 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.