



## SAFETY DATA SHEET

Mx-01

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

Product Name	Thiuram mix 1.0% pet
Article Number	Mx-01
Applications	Diagnosis of contact allergy.
Manufacturer	Chemotechnique Diagnostics AB Modemgatan 9 SE-235 39 Vellinge
Telephone	+46 (0) 40 466 077 (Monday-Friday 8.00-16.00)
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## 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]**

Component	CAS-No.	Content	Classification
Petrolatum	8009-03-8	99.0%	-
Tetramethylthiuram monosulfide (TMTM)	97-74-5	0.25%	Skin sens. 1, Chron. aq. tox. 2, Acute tox. Oral 4; H302,H317,H411
Tetramethylthiuram disulfide (TMTD)	137-26-8	0.25%	Acute tox., Inhal. 4, Acute tox., Oral 4, Spec. targ. org. tox. – rep. exp. 2, Eye irrit. 2, Skin irrit. 2, Skin sens. 1, Acute aq. tox. 1, Chron. aq. tox. 1; H302,H315,H317,H319,H332,H373,H410
Tetraethylthiuram disulfide (TETD)	97-77-8	0.25%	Acute tox., Oral 4, Spec. targ. org. tox. – rep. exp. 2, Skin sens. 1, Acute aq. tox. 1, Chron. aq. tox. 1; H373,H302,H317,H410
Dipentamethylenethiuram disulfide (PTD)	94-37-1	0.25%	Skin irrit. 2, Skin sensit. 1, Eye irrit. 2, Spec. targ. org. tox. - single exp. 3; H315, H317, H319, H335,

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

Component	CAS-No.	Content	Classification
Petrolatum	8009-03-8	99.0%	-
Tetramethylthiuram monosulfide (TMTM)	97-74-5	0.25%	Xn,N; R22,R43,R51/53



Tetramethylthiuram disulfide (TMTD)	137-26-8	0.25%	X,N; R20/22,R36/38,R43,R48/22,R50/53
Tetraethylthiuram disulfide (TETD)	97-77-8	0.25%	X,N; R22,R43,R48/22,R50/53
Dipentamethylenethiuram disulfide (PTD)	94-37-1	0.25%	Xi; R36/37/38, R43

For full text of the H-statements and R-phrases mentioned in this Section, see Section 16.

## 4. FIRST AID MEASURES

### Emergency and first aid procedures

Obtain medical attention.

## 5. FIRE-FIGHTING MEASURES\*

### Suitable extinguish media

CO<sub>2</sub>, 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 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



Appearance	Yellow Semi-solid
Odour	Odourless
Melting point*	50°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

### **Incompability**

May react with strong oxidizing agents.

### **Stability**

Stable at recommended storage conditions.

### **Hazardous byproducts**

Combustion may generate CO, CO<sub>2</sub> 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.**

Skin sens. 1 Skin sensitization (Category 1)  
Chron. aq. tox. 2 Chronic aquatic toxicity (Category 2)  
Acute tox. Oral 4 Acute toxicity, Oral (Category 4)



Acute tox., Inhal. 4 Acute toxicity, Inhalation (Category 4)  
Spec. targ. Org. tox. – rep. exp. 2 Specific target organ toxicity - repeated exposure (Category 2)  
Eye irrit. 2 Eye irritation (Category 2)  
Skin irrit. 2 Skin irritation (Category 2)  
Acute aq. tox. 1 Acute aquatic toxicity (Category 1)  
Chron. aq. tox. 1 Chronic aquatic toxicity (Category 1)  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
Xn Harmful  
N Dangerous for the environment  
R20/22 Harmful by inhalation and if swallowed.  
R22 Harmful if swallowed.  
R36/38 Irritating to eyes and skin.  
R43 May cause sensitization by skin contact.  
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 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.