

## Safety Data Sheet

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

Product Name            Zinc dimethyldithiocarbamate (Ziram) 1.0% pet  
Article Number        Z-004  
Applications            Diagnosis of contact allergy.  
Manufacturer           Chemotechnique MB Diagnostics AB  
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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%	-
Zinc dimethyldithiocarbamate (Ziram)	137-30-4	1.0%	Acute tox. Inhal. 2, Acute tox. Oral 4, Spec. targ. org. tox. – rep. exp. 2, Spec. targ. org. tox. - single exp. 3, Serious eye dam. 1, Skin sensit. 1, Acute aq. tox. 1, Chron. aq. tox. 1; H302, H317, H318, H330, H335, H373, H410

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

Component	CAS-No.	Content	Classification
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Petrolatum	8009-03-8	99.0%	-
Zinc dimethyldithiocarbamate (Ziram)	137-30-4	1.0%	T, N; R22, R26, R37, R41, R43, R48/22, R50/53

#### 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 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

### 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

Acute tox. Inhal. 2	Acute toxicity, Inhalation (Category 2)
Acute tox. Oral 4	Acute toxicity, Oral (Category 4)
Spec. targ. org. tox. &ndash; rep. exp. 2	Specific target organ toxicity - repeated exposure (Category 2)
Spec. targ. org. tox. - single exp. 3	Specific target organ toxicity - single exposure (Category 3)
Serious eye dam. 1	Serious eye damage (Category 1)
Skin sensit. 1	Skin sensitization (Category 1)
Acute aq. tox. 1	Acute aquatic toxicity (Category 1)
Chron. aq. tox. 1	Chronic aquatic toxicity (Category 1)
H302	Harmful if swallowed
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H330	Fatal if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure
H410	Very toxic to aquatic life with long lasting effects
T	Toxic
N	Dangerous for the environment
R22	Harmful if swallowed
R26	Very toxic by inhalation
R37	Irritating to eyes
R41	Risk of serious damage to eyes
R43	May cause sensitisation 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

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.