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**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product identifier**

Trade name: Tolnaftate  
CAS-number: 2398-96-1

Reach registration number: NA

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

The uses of the chemical: Active pharmaceutical ingredients  
Classification of the economic activities (NACE): 212  
Use categories (UC62): 41

**1.3. Details of the supplier of the safety data sheet:**

Manufacturer/importer: Fermion Oy  
Street address: Koivu-Mankkaan tie 6 A  
Post-office box: P.O. Box 28  
Postcode: 02101 Espoo, Finland  
Telephone number: +358 10 4261  
Telefax: +358 0 9452 1764  
E-mail address: chemicalsafety@orion.fi  
VAT Reg. No: FI18552129

**1.4. Emergency telephone number**

Poison Center: +358 9 471 977

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture**

This product does not meet the classification requirements of the current European legislation on classification and labelling.

**2.2. Label elements**

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**2.3. Other hazards**

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1. Substances**

| Name of the ingredient | CAS-number: | EC-number | Reach registration number: |
|------------------------|-------------|-----------|----------------------------|
| Tolnaftate             | 2398-96-1   | 219-266-6 | NA                         |

**Request for Confidentiality by Annex 2** No**Substance indicated Confidential** No**Other information** -**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

**Special instructions** IF exposed: Call a POISON CENTER or doctor/physician.  
Helpers should ensure their own protection.

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Skin contact** Remove/Take off immediately all contaminated clothing.  
Wash with soap and water.

**Eye contact** IF IN EYES: Rinse continuously with water for several minutes. Get medical advice/attention.

**Ingestion** Induce vomiting.  
Give charcoal.  
Get medical advice/attention.

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#### 4.2. Most important symptoms and effects, both acute and delayed

Data not available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Data not available.

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Carbon dioxide  
Alcohol resistant foam  
Dry Chemical  
Water spray

#### 5.2. Special hazards arising from the substance or mixture

May emit toxic fumes of oxides of carbon, nitrogen and sulphur during heating or fire.

#### 5.3. Advice for fire-fighters

##### Special protective equipment for fire-fighters

Isolating breathing apparatus eg. compressed breathing apparatus and protective clothing.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required.

#### 6.2. Environmental precautions

Data not available.

#### 6.3. Methods and material for containment and cleaning up

Collect spilled powder without dusting into tight closed container.

#### 6.4. Reference to other sections

See Section 8 and 13

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Handle in well-ventilated space.

Avoid dust formation.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a dry place.

Protect from moisture.

Store in a closed container.

See incompatible materials in section 10.5.

### 7.3. Specific end use(s)

No information identified.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

International OEL values -

DNELs -

PNECs -

### 8.2. Exposure controls

#### Appropriate engineering controls

Handle in well-ventilated space.

All exposure must be avoided.

#### Respiratory protection

In dust making work use respirator, filtration P3. In laboratories work in fume hood or under dust control hood.

See particular department's regulations of protection.

#### Hand protection

Use protective gloves (e.g. nitrile or neopren gloves).

#### Eye protection

Use protective goggles.

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**Skin protection**

Wear protective clothing.

**Environmental exposure controls**

Releases to the environment should be avoided.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****Appearance**

|                 |                   |
|-----------------|-------------------|
| Physical state  | Powder            |
| Colour          | White / Yellowish |
| Odour           | Odourless         |
| Odour threshold | -                 |

**9.1. Information on basic physical and chemical properties**

Melting point 110 - 112 °C

Water solubility Insoluble

Solubility Soluble in acetone

**9.2. Other information**

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**SECTION 10: STABILITY AND REACTIVITY****10.1. Reactivity**

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**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Not expected to occur.

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**10.4. Conditions to avoid**

Dust may form explosive mixtures with air.

**10.5. Incompatible materials**

Acids  
 Alkalis

**10.6 Hazardous decomposition products**

May emit toxic fumes of oxides of carbon, nitrogen and sulphur during heating or fire.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

|  |   |
|--|---|
| <b>Acute toxicity</b>                    | LD50 = > 6000 mg/kg (rat, oral)<br>LD50 = > 4000 mg/kg (rat, subcutaneous)<br>LD50 = 120 mg/kg (mouse, intraperitoneal) |
| <b>Skin irritation and corrosion</b>     | Skin reactions occur rarely and include irritation and dermatitis.  |
| <b>Skin sensitization</b>                | Data not available.   |
| <b>Serious eye damage and irritation</b> | Data not available.   |
| <b>Respiratory irritation</b>            | Data not available.   |
| <b>Respiratory sensitization</b>         | Data not available.   |
| <b>Carcinogenicity</b>                   | Data not available.   |
| <b>Germ cell mutagenicity</b>            | Data not available.   |
| <b>Reproductive toxicity</b>             | Data not available.   |
| <b>STOT-single exposure</b>              | Data not available.   |
| <b>STOT-repeated exposure</b>            | Data not available.   |

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**Aspiration hazard** Data not available.

**Repeated dose toxicity** Data not available.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Aquatic toxicity

Data not available.

#### Toxic effects on other organisms

Data not available.

### 12.2. Persistence and degradability

Data not available.

### 12.3. Bioaccumulative potential

**Octanol-water partition coefficient(KOW)** Data not available.

**Bioconcentration factor** Data not available.

### 12.4. Mobility in soil

Data not available.

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#### 12.5. Results of PBT and vPvB assessment

Data not available.

#### 12.6. Other adverse effects

Data not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Chemicals must be disposed of in compliance with the respective national regulations.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1. UN Number

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#### 14.2. UN Proper shipping name

#### 14.3. Transport hazard class(es) (ADR/RID,IMDG,ICAO/IATA)

This product is not regulated under the transport regulations.

#### 14.4. Packing group

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#### 14.5. Environmental hazard

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#### 14.6. Special precautions for user

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#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not applicable

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#### SECTION 15: REGULATORY INFORMATION

##### 15.1. Safety, health and environmental regulations/legislation specific for substance or mixture

The product has not been fully tested.

##### 15.2. Chemical Safety Assessment

No

#### SECTION 16: OTHER INFORMATION

##### Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Fermion Oy shall not be held liable for any damage resulting from handling or from contact with the above product.

##### Sources of key data used to compile the Safety Data Sheet

Information provided by the supplier

##### Information which has been added, deleted or revised

Updated section / sections:  
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