

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

|                               |  |
|-------------------------------|--|
| Product form                  | : Substance  |
| Substance name                | : Itraconazole   |
| Product code                  | : 201600500  |
| Synonyms                      | : Itraconazole, salts, hydrates, isomers and impurities where applicable |
| Other means of identification | : Ph.Eur. 1335   |

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

##### 1.2.1. Relevant identified uses

|                              |  |
|------------------------------|--|
| Main use category            | : The product is intended for research, analysis and scientific education. |
| Use of the substance/mixture | : For professional use only  |
| Function or use category     | : Laboratory chemicals   |

##### 1.2.2. Uses advised against

|                     |  |
|---------------------|--|
| Restrictions on use | : Do not use : Ingestion, Inhalation, Dermal |
|---------------------|--|

#### 1.3. Details of the supplier of the safety data sheet

European Directorate for the Quality of Medicines & Healthcare  
EDQM, Council of Europe  
67081 Strasbourg - France  
T +33(0)388412035 - F +33(0)388412771  
[sds@edqm.eu](mailto:sds@edqm.eu) - [www.edqm.eu](http://www.edqm.eu)

#### 1.4. Emergency telephone number

|                  |                   |
|------------------|-------------------|
| Emergency number | : +33(0)390215608 |
|------------------|-------------------|

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), Category 4 H302

Reproductive toxicity, Category 1B H360

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

Expert judgement and weight of evidence determination.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H302 - Harmful if swallowed  
H360 - May damage fertility or the unborn child

Precautionary statements (CLP) :

P202 - Do not handle until all safety precautions have been read and understood  
P308+P313 - IF exposed or concerned: Get medical advice/attention

##### Labelling according to: exemption for inner packaging where the contents do not exceed 10ml

Hazard pictograms (CLP) :



GHS08

# Itraconazole

## Safety Data Sheet

Safety Data Sheet in accordance with regulation (EC) No 1907/2006, as amended.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Name         | Product identifier | %      | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--------------|--------------------|--------|---|
| Itraconazole |                    | <= 100 | Acute Tox. 4 (Oral), H302<br>Repr. 1B, H360                     |

Full text of H-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures after inhalation   | : Move to fresh air. Assure fresh air breathing.  |
| First-aid measures after skin contact | : Wipe off as much as possible (using a clean, soft, absorbent material). Wash with plenty of soap and water. |
| First-aid measures after eye contact  | : Rinse with water while holding the eyes wide open.  |
| First-aid measures after ingestion    | : Rinse mouth. Specific medical surveillance. Prolonged medical observation may be indicated.                 |

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

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects                    | : Delayed adverse effects possible.  |
| Symptoms/effects after inhalation   | : Insufficient data available.   |
| Symptoms/effects after skin contact | : Insufficient data available.   |
| Symptoms/effects after eye contact  | : Insufficient data available.   |
| Symptoms/effects after ingestion    | : Symptoms may include dizziness, headache, nausea and loss of coordination. |

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

Get medical advice/attention. If possible show this sheet, if not available show packaging or label. Active agent. Pharmaceutical.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Extinguishing blanket.

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

Fire hazard : See Heading 2.2.

### 5.3. Advice for firefighters

Firefighting instructions : Use extinguishing media appropriate for surrounding fire.

## SECTION 6: Accidental release measures

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

General measures : Avoid any direct contact with the product. Do not breathe dust/fume/gas/mist/vapours/spray.

#### 6.1.1. For non-emergency personnel

Emergency procedures : Wear suitable protective clothing, gloves and eye or face protection.

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

No additional information available

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

Methods for cleaning up : Ensure waste is collected and contained. Clean thoroughly. Wash the non-recoverable remainder with : Sodium hypochlorite solution.

### 6.4. Reference to other sections

No additional information available

# Itraconazole

## Safety Data Sheet

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

|                                   |  |
|-----------------------------------|--|
| Additional hazards when processed | : The attention of the user is drawn to the risks possibly incurred by using the product for any other purpose than that for which it was intended.      |
| Precautions for safe handling     | : Material should be handled with caution. Avoid any direct contact with the product. Material should be handled in a laboratory hood whenever possible. |
| Hygiene measures                  | : Handle in accordance with good industrial hygiene and safety procedures.   |

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

|                    |                                       |
|--------------------|---------------------------------------|
| Technical measures | : Comply with applicable regulations. |
| Storage conditions | : Store locked up.                    |

#### 7.3. Specific end use(s)

See Heading 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

Keep in a well-ventilated room. Use only in a exhaust booth with integrated air filter. High efficiency particulate air filter (HEPA filter).

##### Hand protection:

Chemically resistant protective gloves. EN 374

##### Eye protection:

Safety glasses. DIN EN 166

##### Skin and body protection:

Use chemically protective clothing. DIN EN 13034

##### Respiratory protection:

Dust production: dust mask with filter type P3. DIN EN 140 & 149. Liquid product : Aerosol mask. Wear breathing apparatus if exposed to vapours/dusts/aerosols

### SECTION 9: Physical and chemical properties

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

|  |                     |
|--|---------------------|
| Physical state                             | : Solid             |
| Appearance                                 | : Powder.           |
| Colour                                     | : No data available |
| Odour                                      | : Not applicable.   |
| Odour threshold                            | : No data available |
| pH   | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point                              | : No data available |
| Freezing point                             | : No data available |
| Boiling point                              | : No data available |
| Flash point                                | : No data available |
| Auto-ignition temperature                  | : No data available |
| Decomposition temperature                  | : No data available |
| Flammability (solid, gas)                  | : No data available |
| Vapour pressure                            | : No data available |
| Relative vapour density at 20 °C           | : No data available |
| Relative density                           | : No data available |
| Solubility                                 | : Water: < 0,1 g/l  |
| Log Pow                                    | : No data available |
| Viscosity, kinematic                       | : No data available |
| Viscosity, dynamic                         | : No data available |
| Explosive properties                       | : No data available |

# Itraconazole

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Oxidising properties : No data available

Explosive limits : No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions.

### 10.2. Chemical stability

No additional information available

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

None under normal use. See Heading 7.

### 10.6. Hazardous decomposition products

When heated to decomposition, emits dangerous fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

| Itraconazole  |              |
|---------------|--------------|
| LD50 oral rat | > 2000 mg/kg |

Skin corrosion/irritation : Not classified (Lack of data)

Serious eye damage/irritation : Not classified (Lack of data)

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity : Not classified (Lack of data)

Carcinogenicity : Not classified (Lack of data)

Reproductive toxicity : May damage fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Hazardous waste. Use suitable disposal containers.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.

# Itraconazole

## Safety Data Sheet

Safety Data Sheet in accordance with regulation (EC) No 1907/2006, as amended.

### SECTION 14: Transport information

In accordance with ADR / IATA / IMDG

| ADR                                     | IMDG           | IATA           |
|---|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |
| Not applicable                          | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |
| Not applicable                          | Not applicable | Not applicable |
| Not applicable                          | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |
| Not applicable                          | Not applicable | Not applicable |
| Not applicable                          | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |
| Not applicable                          | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |
| Not applicable                          | Not applicable | Not applicable |
| No supplementary information available  |                |                |

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Itraconazole is not on the REACH Candidate List

Itraconazole is not on the REACH Annex XIV List

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Full text of H- and EUH-statements:

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4        |
| Repr. 1B            | Reproductive toxicity, Category 1B       |
| H302                | Harmful if swallowed                     |
| H360                | May damage fertility or the unborn child |

SDS EU (REACH Annex II)

*DISCLAIMER OF LIABILITY* The EDQM has created this SDS as a downstream user for regulatory compliance to rules applicable to chemicals only. This article is intended only for small-volume laboratory analysis and other routine testing prescribed in the pharmacopoeia or EDQM study protocol, under controlled conditions and by professionals only. Any other use of this article or the SDS information is the sole responsibility of the user. This substance is present in articles in quantities totalling under 10 kg per year. There is no human or environmental exposure under intended and foreseeable conditions of use. The user has the responsibility for handling, storage, use conditions and disposal of this article and for any use of the information in this SDS. The information has been obtained from suppliers and is without any warranty, express or implied, regarding its correctness. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the article.