

### 1. Identification

#### Product identifier

**Product Name** KETOCONAZOLE

#### Other means of identification

**Product Code(s)** K1149

**UN/ID no** UN2811

**Synonyms** None

#### Recommended use of the chemical and restrictions on use

**Recommended use** No information available

**Restrictions on use** No information available

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

#### Supplier Address

#### Swadesh life science

H - 103, sumel – 7 near soni ni chali ,  
BRTS , Rakhiyal  
Ahmedabad , India , Gujarat

### 2. Hazard(s) identification

#### Classification

Acute toxicity - Oral	Category 3
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2

**Hazards not otherwise classified (HNOC)** No Applicable

#### **Label elements**

#### **Danger**

#### **Hazard statements**

Toxic if swallowed  
May damage fertility or the unborn child  
May cause damage to organs through prolonged or repeated exposure



**Appearance** crystalline

**Physical state** Solid

**Odor** Odorless

### Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Wear protective gloves/protective clothing/eye protection/face protection  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Do not breathe dust/fume/gas/mist/vapors/spray

### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention  
Specific treatment (see .? on this label)  
IF SWALLOWED: Immediately call a POISON CENTER or doctor Rinse mouth

### Precautionary Statements - Storage

Store locked up

### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

### Other information

Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

## 3. Composition/information on ingredients

### Substance

Chemical name	CAS No	Weight-%
Ketoconazole	65277-42-1	100

## 4. First-aid measures

### Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water.
<b>Ingestion</b>	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

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

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

## 5. Fire-fighting measures

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.
<b>Specific hazards arising from the</b>	No information available.
<b>Sensitivity to static discharge</b>	none.
<b>Special protective equipment for firefighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas.

**Other information** Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Ensure adequate ventilation.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

## 8. Exposure controls/personal protection

### Control parameters

**Exposure Limits** The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations Ventilation systems.

### Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	No special protective equipment required.
<b>Hand protection</b>	Wear suitable gloves.
<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical state</b>	Solid
<b>Appearance</b>	crystalline
<b>Color</b>	white
<b>Odor</b>	Odorless

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>Melting point / freezing point</b>	146 - 147 °C / 294.8 - 296.6 °F	None known None known
<b>Boiling point / boiling range</b>	no data available no data available no data available	
<b>Flash point</b>	no data available no data available	None known
<b>Evaporation rate</b>		None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Upper flammability or explosive limits</b>		None known
<b>Lower flammability or explosive limits</b>	No data available	None known
<b>Vapor pressure</b>	No data available	
<b>Vapor density</b>	no data available	
<b>Relative density</b>	no data available	
<b>Water solubility</b>	No data available	None known
<b>Solubility(ies)</b>	no data available	None known
<b>Partition coefficient</b>	3.507	
<b>Decomposition temperature</b>	no data available	
<b>Kinematic</b>		

### Other information

<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available
<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. Stability and reactivity

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	None known based on information supplied.
<b>Incompatible materials</b>	None known based on information supplied.
<b>Hazardous decomposition products</b>	Spontaneous polymerisation.

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Toxic if swallowed. (based on components).

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	No information available.
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## MATERIAL SAFETY DATA SHEET

### Acute toxicity

#### Numerical measures of toxicity

Chemical name	Oral LD50
Ketoconazole 65277-42-1	166 mg/kg ( Rat )

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available. **Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Reproductive toxicity** Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.

**STOT - single exposure** No information available.

**STOT - repeated exposure** May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard** No information available.

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

**Persistence and degradability** No information available.

**Bioaccumulation** Inherently biodegradable.

**Other adverse effects** No information available.

## 13. Disposal considerations

### Waste treatment methods

**Waste from residues/unused** Dispose of in accordance with local regulations. Dispose of waste in accordance with **products** environmental legislation.

**Contaminated packaging** Do not reuse empty containers.