

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

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**SECTION 1: IDENTIFICATION**

Product name : Posaconazole Solid Formulation

**Manufacturer or supplier's details**

Company : MSD

Address : Building A - Level 1/26 Talavera Rd  
Macquarie Park NSW, Australia 2113

Telephone : 1 800 033 461

Emergency telephone number : Poisons Information Centre: Phone 13 11 26

E-mail address : EHSDATASTEWARD@msd.com

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

Recommended use : Pharmaceutical

Restrictions on use : Not applicable

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**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Serious eye damage/eye irritation : Category 2B

Reproductive toxicity : Category 2

Specific target organ toxicity - repeated exposure (Oral) : Category 1 (Adrenal gland, Bone marrow, Kidney, Liver, Nervous system, Reproductive organs)

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H320 Causes eye irritation.  
H361d Suspected of damaging the unborn child.  
H372 Causes damage to organs (Adrenal gland, Bone marrow, Kidney, Liver, Nervous system, Reproductive organs) through prolonged or repeated exposure if swallowed.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.

## Posaconazole Solid Formulation

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification**

Contact with dust can cause mechanical irritation or drying of the skin.

May form explosive dust-air mixture during processing, handling or other means.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**

| Chemical name | CAS-No.     | Concentration (% w/w) |
|---------------|-------------|-----------------------|
| Posaconazole  | 171228-49-2 | >= 10 -< 30           |
| Cellulose     | 9004-34-6   | >= 10 -< 30           |

**SECTION 4. FIRST AID MEASURES**

|                         |   |
|-------------------------|---|
| General advice          | : In the case of accident or if you feel unwell, seek medical advice immediately.<br>When symptoms persist or in all cases of doubt seek medical advice.  |
| If inhaled              | : If inhaled, remove to fresh air.<br>Get medical attention.  |
| In case of skin contact | : In case of contact, immediately flush skin with soap and plenty of water.<br>Remove contaminated clothing and shoes.<br>Get medical attention.<br>Wash clothing before reuse.<br>Thoroughly clean shoes before reuse. |
| In case of eye contact  | : In case of contact, immediately flush eyes with plenty of water   |

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

---

|   |   |   |
|---|---|---|
|   |   | for at least 15 minutes.<br>If easy to do, remove contact lens, if worn.<br>Get medical attention.  |
| If swallowed  | : | If swallowed, DO NOT induce vomiting.<br>Get medical attention.<br>Rinse mouth thoroughly with water.   |
| Most important symptoms and effects, both acute and delayed | : | Diarrhoea<br>Headache<br>Vomiting<br>Nausea<br>Fever<br>Contact with dust can cause mechanical irritation or drying of the skin.<br>Causes eye irritation.<br>Suspected of damaging the unborn child.<br>Causes damage to organs through prolonged or repeated exposure if swallowed. |
| Protection of first-aiders                                  | : | First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).   |
| Notes to physician  | : | Treat symptomatically and supportively.   |

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**SECTION 5. FIREFIGHTING MEASURES**

|   |   |   |
|---|---|---|
| Suitable extinguishing media                  | : | Water spray<br>Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical  |
| Unsuitable extinguishing media                | : | None known.   |
| Specific hazards during fire-fighting         | : | Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.<br>Exposure to combustion products may be a hazard to health.                   |
| Hazardous combustion products                 | : | Carbon oxides<br>Metal oxides   |
| Specific extinguishing methods                | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Use water spray to cool unopened containers.<br>Remove undamaged containers from fire area if it is safe to do so.<br>Evacuate area. |
| Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus.<br>Use personal protective equipment.  |
| Hazchem Code                                  | : | 2Z  |

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

---

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
- Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Sweep up or vacuum up spillage and collect in suitable container for disposal.  
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).  
Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

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**SECTION 7. HANDLING AND STORAGE**

- Technical measures : Static electricity may accumulate and ignite suspended dust causing an explosion.  
Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.
- Local/Total ventilation : Use only with adequate ventilation.
- Advice on safe handling : Do not breathe dust.  
Do not swallow.  
Do not get in eyes.  
Avoid prolonged or repeated contact with skin.  
Wash skin thoroughly after handling.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Minimize dust generation and accumulation.  
Keep container closed when not in use.  
Keep away from heat and sources of ignition.  
Take precautionary measures against static discharges.  
Do not eat, drink or smoke when using this product.  
Take care to prevent spills, waste and minimize release to the environment.
- Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working

## Posaconazole Solid Formulation

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue:             |
| 9.3     | 14.04.2025     | 23502-00025 | 06.04.2024                      |
|         |                |             | Date of first issue: 21.10.2014 |

place.  
 When using do not eat, drink or smoke.  
 Wash contaminated clothing before re-use.  
 The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls.

Conditions for safe storage : Keep in properly labelled containers.  
 Store locked up.  
 Store in accordance with the particular national regulations.

Materials to avoid : Do not store with the following product types:  
 Strong oxidizing agents

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

| Components   | CAS-No.     | Value type<br>(Form of exposure) | Control parameters / Permissible concentration | Basis    |
|--------------|-------------|----------------------------------|--|----------|
| Posaconazole | 171228-49-2 | TWA                              | 300 µg/m <sup>3</sup> (OEB 2)                  | Internal |
| Cellulose    | 9004-34-6   | TWA                              | 10 mg/m <sup>3</sup>                           | AU OEL   |
|              |             | TWA                              | 10 mg/m <sup>3</sup>                           | ACGIH    |

**Engineering measures** : Use feasible engineering controls to minimize exposure to compound.  
 All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment.

## Personal protective equipment

Respiratory protection : If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the recommended guidelines, use respiratory protection.

Filter type : Particulates type

Hand protection : Chemical-resistant gloves

Material

Eye protection : Wear safety glasses with side shields or goggles.  
 If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.  
 Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols.

Skin and body protection : Work uniform or laboratory coat.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

---

|  |   |   |
|--|---|---|
| Colour   | : | No data available   |
| Odour  | : | No data available   |
| Odour Threshold                                  | : | No data available   |
| pH   | : | No data available   |
| Melting point/freezing point                     | : | No data available   |
| Initial boiling point and boiling range          | : | No data available   |
| Flash point                                      | : | Not applicable  |
| Evaporation rate                                 | : | Not applicable  |
| Flammability (solid, gas)                        | : | May form explosive dust-air mixture during processing, handling or other means. |
| Flammability (liquids)                           | : | No data available   |
| Upper explosion limit / Upper flammability limit | : | No data available   |
| Lower explosion limit / Lower flammability limit | : | No data available   |
| Vapour pressure                                  | : | No data available   |
| Relative vapour density                          | : | Not applicable  |
| Relative density                                 | : | No data available   |
| Density  | : | No data available   |
| Solubility(ies)                                  |   |   |
| Water solubility                                 | : | No data available   |
| Partition coefficient: n-octanol/water           | : | Not applicable  |
| Auto-ignition temperature                        | : | No data available   |
| Decomposition temperature                        | : | No data available   |
| Viscosity  |   |   |
| Viscosity, kinematic                             | : | Not applicable  |
| Explosive properties                             | : | Not explosive   |

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

---

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Molecular weight : No data available

Particle characteristics  
Particle size : Not applicable

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Not classified as a reactivity hazard.  
Chemical stability : Stable under normal conditions.  
Possibility of hazardous reactions : May form explosive dust-air mixture during processing, handling or other means.  
Can react with strong oxidizing agents.

Conditions to avoid : Heat, flames and sparks.  
Avoid dust formation.

Incompatible materials : Oxidizing agents  
Hazardous decomposition products : No hazardous decomposition products are known.

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**SECTION 11. TOXICOLOGICAL INFORMATION**

Exposure routes : Inhalation  
Skin contact  
Ingestion  
Eye contact

**Acute toxicity**

Not classified based on available information.

**Components:****Posaconazole:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg  
LD50 (Mouse): > 3,000 mg/kg

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg

**Cellulose:**

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 5.8 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

---

**Skin corrosion/irritation**

Not classified based on available information.

**Components:****Posaconazole:**

|         |   |                    |
|---------|---|--------------------|
| Species | : | Rabbit             |
| Result  | : | No skin irritation |

**Serious eye damage/eye irritation**

Causes eye irritation.

**Components:****Posaconazole:**

|         |   |                     |
|---------|---|---------------------|
| Species | : | Rabbit              |
| Result  | : | Mild eye irritation |

**Respiratory or skin sensitisation****Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Components:****Posaconazole:**

|                 |   |                        |
|-----------------|---|------------------------|
| Test Type       | : | Magnusson-Kligman-Test |
| Exposure routes | : | Skin contact           |
| Species         | : | Guinea pig             |
| Result          | : | negative               |

**Chronic toxicity****Germ cell mutagenicity**

Not classified based on available information.

**Components:****Posaconazole:**

|                       |   |  |
|-----------------------|---|--|
| Genotoxicity in vitro | : | Test Type: Bacterial reverse mutation assay (AMES)<br>Result: negative                                     |
|                       |   | Test Type: Chromosomal aberration<br>Result: negative  |
| Genotoxicity in vivo  | : | Test Type: Micronucleus test<br>Species: Mouse<br>Cell type: Bone marrow<br>Application Route: Intravenous |



**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

---

Result: negative

**Cellulose:**

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Result: negative

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)  
Species: Mouse  
Application Route: Ingestion  
Result: negative

**Carcinogenicity**

Not classified based on available information.

**Components:****Posaconazole:**

Species : Rat  
Application Route : oral (feed)  
Exposure time : 2 Years  
Result : positive  
Remarks : The mechanism or mode of action is not relevant in humans.

Species : Mouse  
Application Route : Oral  
Exposure time : 2 Years  
Result : positive  
Remarks : The mechanism or mode of action is not relevant in humans.

**Cellulose:**

Species : Rat  
Application Route : Ingestion  
Exposure time : 72 weeks  
Result : negative

**Reproductive toxicity**

Suspected of damaging the unborn child.

**Components:****Posaconazole:**

Effects on fertility : Test Type: Fertility/early embryonic development  
Species: Rat, male  
General Toxicity - Parent: NOAEL: 180 mg/kg body weight  
Symptoms: No effects on mating performance  
Result: negative

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue:             |
| 9.3     | 14.04.2025     | 23502-00025 | 06.04.2024                      |
|         |                |             | Date of first issue: 21.10.2014 |

---

Test Type: Fertility/early embryonic development  
Species: Rat, female  
General Toxicity - Parent: NOAEL: 45 mg/kg body weight  
Symptoms: No effects on mating performance  
Result: negative

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat, female  
Application Route: Oral  
Developmental Toxicity: LOAEL: 29 mg/kg body weight  
Result: Fetotoxicity, Malformations were observed.

Test Type: Embryo-foetal development  
Species: Rabbit, female  
Developmental Toxicity: LOAEL: 40 mg/kg body weight  
Result: Fetotoxicity

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

**Cellulose:**

Effects on fertility : Test Type: One-generation reproduction toxicity study  
Species: Rat  
Application Route: Ingestion  
Result: negative

Effects on foetal development : Test Type: Fertility/early embryonic development  
Species: Rat  
Application Route: Ingestion  
Result: negative

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Causes damage to organs (Adrenal gland, Bone marrow, Kidney, Liver, Nervous system, Reproductive organs) through prolonged or repeated exposure if swallowed.

**Components:****Posaconazole:**

Exposure routes : Ingestion  
Target Organs : Adrenal gland, Bone marrow, Kidney, Liver, Reproductive organs, Nervous system  
Assessment : Causes damage to organs through prolonged or repeated exposure.

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

---

**Repeated dose toxicity****Components:****Posaconazole:**

|                   |   |
|-------------------|---|
| Species           | : Rat, female   |
| LOAEL             | : 5 mg/kg   |
| Application Route | : Oral  |
| Exposure time     | : 6 Months  |
| Target Organs     | : Adrenal gland, Lungs, Heart, Liver, spleen, Kidney, Ovary |

|                   |   |
|-------------------|---|
| Species           | : Dog   |
| LOAEL             | : 3 mg/kg   |
| Application Route | : Oral  |
| Exposure time     | : 392 Days  |
| Target Organs     | : Lungs, Liver, Brain, small intestine, Adrenal gland, Spinal cord, lymphoid tissue |

|                   |  |
|-------------------|--|
| Species           | : Monkey   |
| LOAEL             | : 15 mg/kg                                       |
| Application Route | : Oral   |
| Exposure time     | : 1 Months                                       |
| Target Organs     | : Bone marrow, Adrenal gland, Lymph nodes, Blood |

|                   |   |
|-------------------|---|
| Species           | : Dog   |
| LOAEL             | : 3 mg/kg   |
| Application Route | : Oral  |
| Exposure time     | : 56 Weeks  |
| Target Organs     | : Adrenal gland, Bone marrow, Kidney, Nervous system, spleen, thymus gland, Testis, lymphoid tissue |

|                   |   |
|-------------------|---|
| Species           | : Monkey                                |
| LOAEL             | : 180 mg/kg                             |
| Application Route | : Oral                                  |
| Exposure time     | : 12 Months                             |
| Target Organs     | : Blood, Gastrointestinal tract, spleen |

|                   |   |
|-------------------|---|
| Species           | : Monkey  |
| LOAEL             | : 8 mg/kg   |
| Application Route | : Intravenous   |
| Exposure time     | : 1 Months  |
| Target Organs     | : Cardio-vascular system, Lungs, Adrenal gland, Blood |

**Cellulose:**

|                   |                      |
|-------------------|----------------------|
| Species           | : Rat                |
| NOAEL             | : $\geq 9,000$ mg/kg |
| Application Route | : Ingestion          |
| Exposure time     | : 90 Days            |

**Aspiration toxicity**

Not classified based on available information.

**Posaconazole Solid Formulation**

|                |                              |                            |   |
|----------------|------------------------------|----------------------------|---|
| Version<br>9.3 | Revision Date:<br>14.04.2025 | SDS Number:<br>23502-00025 | Date of last issue: 06.04.2024<br>Date of first issue: 21.10.2014 |
|----------------|------------------------------|----------------------------|---|

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**Experience with human exposure****Components:****Posaconazole:**

Ingestion : Symptoms: Cough, Headache, Nausea, Vomiting, Fever, Liver effects, Rash, pruritis, Diarrhoea, hypertension, neutropenia, electrolyte imbalance

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Posaconazole:**

|  |  |
|--|--|
| Toxicity to fish   | : LC50 (Oncorhynchus mykiss (rainbow trout)): > 0.95 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203<br>Remarks: No toxicity at the limit of solubility   |
| Toxicity to daphnia and other aquatic invertebrates                    | : EC50 (Daphnia magna (Water flea)): 0.276 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202  |
| Toxicity to algae/aquatic plants                                       | : EC50 (Pseudokirchneriella subcapitata (green algae)): > 0.509 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201<br><br>NOEC (Pseudokirchneriella subcapitata (green algae)): 0.041 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201 |
| Toxicity to fish (Chronic toxicity)                                    | : NOEC (Pimephales promelas (fathead minnow)): 0.206 mg/l<br>Exposure time: 33 d<br>Method: OECD Test Guideline 210  |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : NOEC (Daphnia magna (Water flea)): 0.244 mg/l<br>Exposure time: 21 d<br>Method: OECD Test Guideline 211<br>Remarks: No toxicity at the limit of solubility   |
| Toxicity to microorganisms   | : EC50 (Natural microorganism): > 1,000 mg/l<br>Exposure time: 3 h<br>Test Type: Respiration inhibition<br>Method: OECD Test Guideline 209   |

**Cellulose:**

|                  |   |
|------------------|---|
| Toxicity to fish | : LC50 (Oryzias latipes (Japanese medaka)): > 100 mg/l<br>Exposure time: 48 h |
|------------------|---|

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**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

---

Remarks: Based on data from similar materials

**Persistence and degradability****Components:****Posaconazole:**

Biodegradability : Result: Not readily biodegradable.  
Biodegradation: 50 %  
Exposure time: 28 h  
Method: OECD Test Guideline 314

Stability in water : Degradation half life (DT50): > 30 d  
Method: OECD Test Guideline 111

**Cellulose:**

Biodegradability : Result: Readily biodegradable.

**Bioaccumulative potential****Components:****Posaconazole:**

Bioaccumulation : Species: *Lepomis macrochirus* (Bluegill sunfish)  
Bioconcentration factor (BCF): 20  
Method: OECD Test Guideline 305

Partition coefficient: n-octanol/water : log Pow: 4.15

**Mobility in soil****Components:****Posaconazole:**

Distribution among environmental compartments : log Koc: 5.52

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

**SECTION 14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

|                           |  |
|---------------------------|--|
| UN number                 | : UN 3077  |
| Proper shipping name      | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.<br>(Posaconazole) |
| Class                     | : 9  |
| Packing group             | : III  |
| Labels                    | : 9  |
| Environmentally hazardous | : yes  |

**IATA-DGR**

|  |  |
|--|--|
| UN/ID No.                                | : UN 3077  |
| Proper shipping name                     | : Environmentally hazardous substance, solid, n.o.s.<br>(Posaconazole) |
| Class                                    | : 9  |
| Packing group                            | : III  |
| Labels                                   | : Miscellaneous  |
| Packing instruction (cargo aircraft)     | : 956  |
| Packing instruction (passenger aircraft) | : 956  |
| Environmentally hazardous                | : yes  |

**IMDG-Code**

|                      |  |
|----------------------|--|
| UN number            | : UN 3077  |
| Proper shipping name | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.<br>(Posaconazole) |
| Class                | : 9  |
| Packing group        | : III  |
| Labels               | : 9  |
| EmS Code             | : F-A, S-F   |
| Marine pollutant     | : yes  |

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations****ADG**

|                           |  |
|---------------------------|--|
| UN number                 | : UN 3077  |
| Proper shipping name      | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.<br>(Posaconazole) |
| Class                     | : 9  |
| Packing group             | : III  |
| Labels                    | : 9  |
| Hazchem Code              | : 2Z   |
| Environmentally hazardous | : yes  |

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

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**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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**SECTION 15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture**

|   |  |
|---|--|
| Therapeutic Goods (Poisons Standard) Instrument | : No poison schedule number allocated (Please use the original publication to check for specific uses, specific conditions or threshold limits that might apply for this chemical) |
| Prohibition/Licensing Requirements              | : There is no applicable prohibition, authorisation and restricted use requirements, including for carcinogens referred to in Schedule 10 of the model WHS Act and Regulations.    |

**The components of this product are reported in the following inventories:**

|       |                  |
|-------|------------------|
| AICS  | : not determined |
| DSL   | : not determined |
| IECSC | : not determined |

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**SECTION 16: ANY OTHER RELEVANT INFORMATION****Further information**

|   |   |
|---|---|
| Revision Date   | : 14.04.2025  |
| Sources of key data used to compile the Safety Data Sheet | : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a> |
| Date format   | : dd.mm.yyyy  |

**Full text of other abbreviations**

|              |  |
|--------------|--|
| ACGIH        | : USA. ACGIH Threshold Limit Values (TLV)                            |
| AU OEL       | : Australia. Workplace Exposure Standards for Airborne Contaminants. |
| ACGIH / TWA  | : 8-hour, time-weighted average                                      |
| AU OEL / TWA | : Exposure standard - time weighted average                          |

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule;

**Posaconazole Solid Formulation**

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 06.04.2024  |
| 9.3     | 14.04.2025     | 23502-00025 | Date of first issue: 21.10.2014 |

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ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECL - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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