

	AUROBINDO PHARMA LIMITED, UNIT – VIII		Page 1 of 4
	MATERIAL SAFETY DATA SHEET		
Product	Fluconazole	Version No.	00
MSDS No.	MSDS/FP/FC	Effective Date	01/08/2005

1 Identification of the substance/preparation and of the company/undertaking

Product name : FLUCONAZOLE
 Chemical formula : C₁₃H₁₂F₂N₆O
 Synonym : FLUCONAZOLE
 Manufacturer / Supplier : M/s. AUROBINDO PHARMA LIMITED,
 PLOT NO. : 2, MAITHRIVIHAR COMPLEX,
 AMEERPET, HYDERABAD – 500 038.

2 Composition / information on ingredients

Substance/Preparation : Substance
 Chemical name : 2,4-Difluoro-1',1'-bis (1H-1,2,4-triazol-1-yl methyl)benzyl alcohol
 CAS No. : [86386-73-4]

3 Hazards identification

Physical/chemical hazards : Not applicable.
 Human health hazards : WARNING!
 HARMFUL IF INHALED, ABSORBED THROUGH SKIN OR SWALLOWED.
 MAY CAUSE DAMAGE TO THE FOLLOWING ORGANS: GASTROINTESTINAL TRACT.

4 First-aid measures

Effects and symptoms

Inhalation : Physical form suggests that risk of inhalation exposure is negligible.
 Ingestion : Never attempt to induce vomiting. Do not attempt to give any solid or liquid by mouth if the exposed subject is unconscious or semi-conscious. Wash out the mouth with water. If the exposed subject is fully conscious, give plenty of water to drink. Obtain medical attention.
 Skin Contact : Using appropriate personal protective equipment, remove contaminated clothing and flush exposed area with large amounts of water. Obtain medical attention if skin reaction occurs, which may be immediate or delayed.
 Aggravating conditions : None for occupational exposure.

	AUROBINDO PHARMA LIMITED, UNIT - VIII		Page
	MATERIAL SAFETY DATA SHEET		2 of 4
Product	Fluconazole	Version No.	00
MSDS No.	MSDS/FP/FC	Effective Date	01/08/2005

5 Fire-fighting measures

- Flammability of the Product** : May be combustible at high temperature.
- Extinguishing Media**
- Suitable** : SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray with fog or foam. Do not use water jet.
- Hazardous thermal (de)composition products** : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).
- Special fire-fighting procedures** : Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

6 Accidental release measures

- Personal precautions** : Wear protective clothing and equipment consistent with the degree of hazard.
- Small Spill and Leak** : Use appropriate tools to put the spilled solid in a convenient waste disposal container.
- Large Spill and Leak** : Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

7 Handling and storage

- Handling** : Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

8 Exposure controls/personal protection

- Engineering measures** : Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, use ventilation to keep exposure to airborne contaminants below the exposure limit.
- Hygiene measures** : Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.
- Personal protective equipment**

	AUROBINDO PHARMA LIMITED, UNIT - VIII		Page 3 of 4
	MATERIAL SAFETY DATA SHEET		
Product	Fluconazole	Version No.	00
MSDS No.	MSDS/FP/FC	Effective Date	01/08/2005

Respiratory system : Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Skin and body : Lab coat.

Hands : Gloves.

Eyes : Safety glasses.

Protective
Clothing
(Pictograms)



9 Physical and chemical properties

Appearance and Odour : White or almost white crystalline powder.

Molecular Weight : 306.27

Melting Range : Between 138.0°C and 142.0°C

Solubility : Slightly soluble in water; freely soluble in methanol; soluble in acetone and in alcohol; sparingly soluble in chloroform and isopropyl alcohol; very slightly soluble in toluene.

Flash point : Not available.

Explosive properties : Risks of explosion of the product in presence of mechanical impact : Not available.
Risks of explosion of the product in presence of static discharge : Not available.

10 Stability and reactivity

Stability : The product is stable.

Conditions to avoid : Sensitive to light.

Hazardous Decomposition Products : When heated to decomposition material emits toxic fumes of NO₂ and SO₂ emits toxic fumes under fire conditions.

AUROBINDO PHARMA LIMITED, UNIT - VIII		Page 4 of 4	
MATERIAL SAFETY DATA SHEET			
Product	Fluconazole	Version No.	00
MSDS No.	MSDS/FP/FC	Effective Date	01/08/2005

11 Toxicological information

Threshold Limit Value : None established.

Adverse Effects : Adverse reactions are generally mild and consists of skin rashes or diarrhoea other adverse effects include hypotension, dizziness, fatigue, headache, gastrointestinal disturbances, persistent dry cough and other upper respiratory tract symptoms etc.,

Over dose effect : May Cause Hypotension

Acute : Very low incidence of sedation / somnolence.

Chronic : Generally well tolerated.

Inhalation : Avoid inhalation. Remove to fresh air.

Ingestion : May cause irritation. Flush out mouth with water.

Skin : May cause irritation. Flush with copious quantities of water.

12 Ecological information

Ecotoxicity : Not available.

Toxicity of the Products of Biodegradation : The products of degradation are less toxic than the product itself.

13 Disposal considerations

Methods of disposal;
Waste of residues;
Contaminated packaging : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.