

Manufacturer: Ophtapharm AG

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Section 1 - IDENTIFICATION

TRADE NAME: Ketotifen Fumarate Ophthalmic Solution

NDC # 72485-617-10

Description: Clear, colorless solution free from visible particles

Composition	CAS#	TLV(mg/m³)	PEL(mg/m³)	%Content
Ketotifen Fumarate	34580-14-8	NE	NE	0.035
Glycerin, USP	56-81-5	10	15 total	<10
Benzalkonium Chloride, NF	8001-54-5	NE	NE	0.01
Sodium Hydroxide, NF	1310-73-2	NE	NE	QS
Hydrochloric Acid, NF	7647-01-0	NE	NE	QS
Purified Water, USP	7732-18-5	NE	NE	QS

Common name of active ingredient: Ketotifen Fumarate

Molecular Formula: C₂₃H₂₃NO₅S Molecular Weight: 425.5

Legal Category: Over the Counter, antihistamine

Section 2 – HAZARDOUS INGREDIENTS

Principal Hazardous Ingredient: Ketotifen

% Threshold Limit Value:
Carcinogenicity:
NTP IARC OSHA Not Established
No ingredients listed
No ingredients listed
No ingredients listed
No ingredients listed

Section 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Physical State: Liquid

Appearance: Clear, colorless solution

Odor: Odorless

Boiling Point Not Established Vapor Density (air = 1): Not Established

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Vapor Pressure (mm Hg): Not Established
Viscosity: Not Established

Solubility in Water: Soluble Specific Gravity: ~1.00

Volatile:

Evaporation Rate:

Reactivity in Water:

PH:

Aqueous

4.4 to 5.8

Melting Point:

Not Established

Aqueous

Aqueous

4.7 to 5.8

Not Applicable

Latex Free: Yes

Section 4 - FIRE AND EXPLOSION HAZARD DATA

Extinguisher Media: Use water, chemical type foam, carbon dioxide, dry chemical

Hazardous Products: None identified

Explosion: None

Fire Fighting Instructions: Respiratory and eye protection for fire-fighting personnel

Section 5 - REACTIVITY DATA

Stability: Stable under normal ambient conditions of temperature and

pressure

Incompatibility:Not AvailableHazardous Decomposition Products:Not EstablishedHazardous Polymerization:Will not occur

Conditions to Avoid: Avoid exposure to heat

Section 6 - HEALTH HAZARDS

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program: No
I.A.R.C Monographs: No
OSHA: No

OSHA Permissible Exposure Limit: Not Established ACGIH Threshold Limit Value: Not Established

1. Inhalation: Not expected to cause significant irritation of the lungs, upper

respiratory tract or nose

2. Eyes: Non-irritating to the eyes when used as directed

3. Skin: Non-irritating to skin or mucous membranes when used as directed4. Ingestion: May be harmful if swallowed; may cause moderate irritation of the

digestive tract

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First Aid Measures

- 1. **Skin**: Remove source of contamination such as affected clothing. Wash with plenty of soap and water. Seek medical attention if irritation persists.
- 2. **Eyes:** If discomfort or irritation develops, immediately discontinue product use and contact your eye care professional. Remove contact lenses. Flush eyes with running water for at least 15 minutes.
- 3. **Ingestion:** Do not induce vomiting. Wash out mouth with water and keep at rest. Seek medical attention immediately and provide Drug Facts information.
- 4. **Inhalation:** Not likely to be hazardous by inhalation. If exposed to excessive levels of mist, remove to fresh air and seek medical attention if cough or other symptoms develop.

Section 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Storage: Store in unopened containers in a cool, dry and well-ventilated place. This material should be handled and stored per label instructions to ensure product integrity. Expiration is listed on each package.

Handling: When handling, do not eat or drink. Use only in well ventilated areas.

Neutralizing Chemical Agent: Not relevant

Steps to be taken in case material is released or spilled: Using appropriate protective equipment, absorb spillage in absorbent material and remove to a safe place appropriate for chemical waste disposal.

Waste Disposal Methods: Do not empty into drains. Use appropriate containment to avoid environmental contamination. Dispose of waste in accordance with all applicable Federal, State and local laws.

Section 8 - PROTECTION INFORMATION

Engineering Controls: No special handling is required

Use in accordance with product literature
Unlikely to be hazardous when used as directed

Airborne Exposure Limits: Not Established

Ventilation: In case of insufficient ventilation, wear suitable respiratory equipment

Skin Protection: Lab coat, sleeves

Eye Protection: Safety glasses or goggles

Respiratory Protection: Not required during normal clinical use

Section 9 - TOXICOLOGY INFORMATION

 LD_{50} rat, oral = 360 mg/kg ketotifien fumarate LD_{50} mouse, oral = 585 mg/kg ketotifien fumarate

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Section 10 - ECOLOGICAL INFORMATION

Ecotoxicity:Not EstablishedBOD₅ and COD:Not AvailableEnvironmental fate information:Not Available

Other Precautions: There are no unreasonable risks (health, safety, or property)

that this product would pose when transported in commerce.

Section 11 - REGULATORY INFORMATION

SARA 313 listed: No

CERCLA listed: No RCRA listed: No

TSCA Inventory: CAS# 8001-54-5 is listed

CAS# 56-81-5 is listed CAS# 7732-18-5 is listed

Section 12 - TRANSPORT INFORMATION

Transportation Data: Not classified as Hazardous by DOT regulations; not regulated

Hazard class definitions (49CFR, Part 173) are not applicable to this product.

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