



1110 W. Lake Cook Rd.  
Suite 152  
Buffalo Grove, IL 60089  
(800) 521-5340

## MATERIAL SAFETY DATA SHEET

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DATE: 12/10/2009

**GENERIC NAME: Ciprofloxacin Tablets 250mg, 500mg and 750mg**

**BRAND EQUIVILANT: CIPRO®**

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### SECTION 1: MATERIAL IDENTIFICATION

Common Name	Ciprofloxacin Tablets USP
Synonyms	Ciprofloxacin Hydrochloride Tablets
Formula	$C_{17}H_{18}FN_3O_3 \cdot HCl \cdot H_2O$
CAS Number	86393-32-0
Therapeutic Category	Antibiotic
Chemical Name	1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid monohydrochloride, monohydrate
Additional Names	--
Manufacturer Name & Address	Unique Pharmaceutical Laboratories (A Div. of J. B. Chemicals & Pharmaceuticals Ltd), Meelam Centre, Worli, Mumbai 400016, INDIA
Distributor Name & Address	PACK Pharmaceuticals, LLC 1110 W. Lake Cook Rd., Ste. 152 Buffalo Grove, IL 60089
Emergency Telephone No.	(800) 521-5340
Adverse Reactions/Product Complaints/Product Inquiries	(866) 562-4597

### SECTION 2: HAZARDOUS INGREDIENTS

NIL

### SECTION 3: PHYSICAL DATA

Melting Point	Not applicable
Solubility in Water	Soluble
Solubility in org. solvents	Not established
Molecular Weight	Not applicable



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Appearance White to slightly yellowish

Odor Odourless

### SECTION 4: FIRE AND EXPLOSION DATA

Flash Point Not applicable.

Explosion Sensitivity to Impact None known

Explosion Sensitivity to Static Electricity None known

Combustible Material Not applicable.

Explosive Material Not applicable.

Flammable Material None known

Pyrophoric Material Not applicable.

Hazardous Combustion Products Will not occur

### SECTION 5: REACTIVITY

Stability Stable

Hazardous Decomposition Products These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...), halogenated compounds.

### SECTION 6: HEALTH HAZARDS

LD50/(Oral) Not applicable.

Reproductive Effects No adequate and well-controlled studies in pregnant women

Carcinogenicity Long-term carcinogenicity studies in rats and mice resulted in no carcinogenic or tumorigenic effects due to ciprofloxacin at daily oral dose levels up to 250 and 750 mg /kg to rats and mice, respectively (approximately 1.7- and 2.5- times the highest recommended therapeutic dose based upon mg/m<sup>2</sup>).

Mutagenicity In vitro resistance to ciprofloxacin develops slowly by multiple step mutations.

Ecotoxicity No data available for this product

Environmental Fate No data available for this product



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Acute Aquatic Toxicity                      None known  
Degradability                                      Not applicable

### SECTION 7:            **FIRST AID**

General    Use only as directed. See product packaging for further information concerning adverse effects and drug interactions.  
Eyes    In case of contact flush with plenty of water for at least 15 minutes. Contact a physician.  
Skin    Contact a physician if irritation develops. In case of skin contact, was affected areas with soap and water.

### SECTION 8:            **SPILL, LEAK AND DISPOSAL PROCEDURES**

Spills/Leaks                                        Spills should be swept up and placed in appropriate containers for disposal. Prevent from entering open drains and waterways. Avoid creating dusty conditions.  
Waste Disposal Method                        Incineration is recommended. Waste disposal should be in accordance with existing federal, state and local environment control laws.

### SECTION 9:            **SPECIAL HANDLING**

Handling    Keep this and all drugs out of reach of children. Wash thoroughly for handling. Store in a dry place away from excessive heat. Containers should be kept tightly closed to prevent contamination. Use normal precautions for storage of a drug. Avoid contact with eyes, with skin or clothing.  
Engineering Control                              Not Applicable  
Respiratory Protection                            A NIOSH approved dust respirator should be worn if inhalation of dust is a problem.  
Skin Protection                                      Lab coat. Employees should wash their hands and face before eating, drinking or using tobacco products.      Gloves, long sleeved shirts and pants  
Eye Protection                                        None for Normal use.  
Storage    Store at 86° F (30°C)

### SECTION 10:            **FDA Designations:** NDC Number/s:

250mg 100ct - 16571-141-10  
500mg 100ct - 16571-142-10  
750mg 50ct - 16571-143-05



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**SECTION 11: MSDS PREPARATION INFORMATION**

New: 12/10/2009

**SECTION 12: DISCLAIMER**

The above information is believed to be correct but should only be used as a guide. PACK Pharmaceuticals, LLC disclaims any express or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental or consequential damages resulting from reliance on the above information.