



MATERIAL SAFETY DATA SHEET

1 - Product and Company Information

Product Name:Ciprofloxacin HCL;Ciprofloxacin Hydrochloride

CAS NO.: 86393-32-0

Product Number 17850

Contact Information:

Company: Aurora Industry Co.,Ltd.

Address:Room 7033, No.9-1, Haifu Road, Dalian Free Trade Zone, China

Tel:0411-82288674

2 - Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Not hazardous according to Directive 67/548/EEC.

3 - Composition/Information on Ingredients

Product Name

1-Cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)3-quinolinecarboxylic acid hydrochloride crude

Formula C₁₇H₁₈FN₃O₃

Molecular Weight 331.38 AMU

Synonyms BAY-q 3939 * Ciloxan * Ciprobay * Ciprobid * Ciprofloxacin * Cipro IV *

1-Cyclopropyl-6-fluoro-4-oxo-7-(1-piperazinyl)-1, 4-dihydro-3-quinolinecarboxylic acid * Euciprin

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious amounts of water.

AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes.

Assure adequate flushing by separating the eyelids with fingers. Call a physician.

AFTER INGESTION

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.



SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

METHODS FOR CLEANING UP

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage

HANDLING

Directions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE

Conditions of Storage: Keep tightly closed.

8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

Hand Protection: Protective gloves.

Eye Protection: Chemical safety goggles.

9 - Physical and Chemical Properties

Appearance Color: Faintly yellow

Form: Powder

Property Value At Temperature or Pressure

pH 3.0 - 4.5



BP/BP Range N/A

Flash Point N/A

Autoignition Temp N/A

Explosive Properties N/A

Vapor Pressure N/A

Partition Coefficient N/A

Vapor Density N/A

Evaporation Rate N/A

Decomposition Temp. N/A

Water Content N/A

Conductivity N/A

Solubility N/A

MP/MP Range N/A

Flammability N/A

Oxidizing Properties N/A

Explosion Limits N/A

SG/Density N/A

Viscosity N/A

Saturated Vapor Conc. N/A

Bulk Density N/A

Solvent Content N/A

Surface Tension N/A

Miscellaneous Data N/A

10 - Stability and Reactivity

STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Nitrogen oxides, Hydrogen fluoride.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

11 - Toxicological Information

RTECS NUMBER: VB1993800

ACUTE TOXICITY

LDLO

Oral

Man

5.714 mg/kg

2D-I

Remarks: Liver:Jaundice, other or unclassified. Behavioral:Coma.

Liver:Liver function tests impaired.

LD50

Oral

Rat

> 2000 mg/kg

LD50

Subcutaneous



Rat

>1 GM/KG

LD50

Intravenous

Rat

207 MG/KG

Remarks: Behavioral:Somnolence (general depressed activity).

Behavioral:Altered sleep time (including change in righting reflex).

LD50

Oral

Mouse

5000 mg/kg

LD50

Intraperitoneal

Mouse

1165 MG/KG

LD50

Subcutaneous

Mouse

>1 GM/KG

LD50

Intravenous

Mouse

122 MG/KG

Remarks: Behavioral:Altered sleep time (including change in righting reflex).

Behavioral:Somnolence (general depressed activity).

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

CHRONIC EXPOSURE - MUTAGEN

Human

10 MG/L



Cell Type: lymphocyte

DNA damage

Human

5 MG/L

Cell Type: lymphocyte

Unscheduled DNA synthesis

Rat

78 UMOL/L

Cell Type: liver

Unscheduled DNA synthesis

Mouse

6 MG/KG

Intraperitoneal

Cytogenetic analysis

Mouse

1200 UG/KG

Intraperitoneal

Sister chromatid exchange

Hamster

100 MG/L

Cell Type: lung

Micronucleus test

Hamster

200 MG/L

Cell Type: lung

Cytogenetic analysis

Monkey

400 MG/L

Cell Type: kidney

Micronucleus test

Domestic Animals

27 MG/L

Cell Type: Other cell types

DNA inhibition

12 - Ecological Information

No data available.



13 - Disposal Considerations

SUBSTANCE DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14 - Transport Information

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15 - Regulatory Information

Not hazardous according to Directive 67/548/EEC.

Caution: Substance not yet fully tested (EU).

COUNTRY SPECIFIC INFORMATION

Germany

WGK: 2

Self-Classification

16 - Other Information

Created Date: 26/09/2020, 06:38 AM

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Aurora Industry Co.,Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.