



Material Safety Data Sheet

HAZARD WARNINGS	RISK PHRASES	PROTECTIVE CLOTHING
	Harmful compound, minimize exposure. Irritating to skin, eyes, and the respiratory system. Photosensitizer. This compound is a skin sensitizer.	

Section I. C	hemical Product and Company Identific	cation	
Chemical Name	Levofloxacin		
Catalog Number	L0193	Supplier	TCI America 9211 N. Harborgate St.
Synonym	7H-Pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid, 9-fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-, (3S)- (CA INDEX NAME)		Portland OR 1-800-423-8616
Chemical Formula	$C_{18}H_{20}FN_3O_4$		
CAS Number	100986-85-4	In case of Emergency Call	Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (International)

Section II.	Composition a	nd Informa	tion on In	gredients	
Chemi	ical Name	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
Levofloxacin		100986-85-4	Min. 98.0 (HPLC)		Rat LD $_{50}$ (oral) 1478 mg/kg Mouse LD $_{50}$ (oral) 1803 mg/kg Mouse LD $_{50}$ (oral) >250 mg/kg

		, ,		Mouse LD ₅₀ (oral) >250 mg/kg
Section III.	Hazards Identification	1		
Acute Health Effects	Irritating to eyes and skin on eye is characterized by rednes occasionally, blistering. Skin contact may result in se protection. A OSHA/MSHA ap Causes photosensitivity. Export from sunburn-like responses to	Harmful if ingested or inhaled. Minimize exposure to this material. Severe overexposure can result in injury or death. Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Skin contact may result in sensitization. Always cover all exposed skin with an impermeable layer and use proper eye protection. A OSHA/MSHA approved dust and vapor respirator is required when working with this material. Causes photosensitivity. Exposure to light can result in allergic reactions resulting in dermatologic lesions, which can vary from sunburn-like responses to edematous, vesiculated lesions or bullae. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound.		
Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Reprodcutive Effects Rat TDLo (Oral) 8910 mg/kg. Female 7-17 days of pregnancy. Toxic Effects Effects on Embryo or Fetus - Fetotoxicity (except death, e.g., stunted fetus) Effects on Embryo or Fetus - Fetal death Specific Developmental Abnormalities - Musculoskeletal system Rat TDLo (Oral) 8910 mg/kg. Female 7-17 days of pregnancy. Toxic Effects: Effects on Newborn - growth statistics. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.			

Section IV.	First Aid Measures
Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Inhalation	If the victim is not breathing, perform mouth-to-mouth resuscitation. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, oxygen can be administered. Seek medical attention if respiration problems do not improve.
Ingestion	INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Losen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive.

L0193	Levofloxacin	Page 3
Chronic Toxic Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Reproductive Effects Rat TDLo (Oral) 8910 mg/kg. Female 7-17 days of pregnancy. Toxic Effects Effects on Embryo or Fetus - Fetotoxicity (except death, e.g., stunted fetus) Effects on Embryo or Fetus - Fetal death Specific Developmental Abnormalities - Musculoskeletal system Rat TDLo (Oral) 8910 mg/kg. Female 7-17 days of pregnancy. Toxic Effects: Effects on Newborn - growth statistics. Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.	
Acute Toxic Effects	Harmful if ingested or inhaled. Minimize exposure to this material. Severe overexposure can result in injury or dea Irritating to eyes and skin on contact. Inhalation causes irritation of the lungs and respiratory system. Inflammation is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, red occasionally, blistering. Skin contact may result in sensitization. Always cover all exposed skin with an impermeable layer and use protection. A OSHA/MSHA approved dust and vapor respirator is required when working with this material. Causes photosensitivity. Exposure to light can result in allergic reactions resulting in dermatologic lesions, which from sunburn-like responses to edematous, vesiculated lesions or bullae. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compoun	of the eye dening, or, proper eye th can vary

Section XII.	Ecological Information
Ecotoxicity	Not available.

Environmental Fate Not available.

Section XIII. Disposal Considerations

Waste Disposal

Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

Section XIV. Transport Information

DOT Classification Not a DOT controlled material (United States).

PIN Number Not applicable.

Proper Shipping Name Not applicable.

Packing Group (PG) Not applicable.

DOT Pictograms



Section XV. Other Regulatory Information and Pictograms

TSCA Chemical Inventory

(EPA)

This product is **NOT** on the EPA Toxic Substances Control Act (TSCA) inventory. The following notices are required by 40 CFR 720.36 (C) for those products not on the inventory list:

(i) These products are supplied solely for use in research and development by or under the supervision of a technically qualified individual as defined in 40 CFR 720.0 et sec.

(ii) The health risks of these products have not been fully determined. Any information that is or becomes available will be supplied on an MSDS sheet.

WHMIS Classification (Canada) Not available.

EINECS Number (EEC)

Not available.

EEC Risk Statements

R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.

R36/37/38- Irritating to eyes, respiratory system and skin.

Japanese Regulatory Data

Not available.

Section XVI. Other Information

Version 1.0 Validated on 1/14/2011. Printed 1/14/2011.

Notice to Reader

TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. 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 chemical reagents must be handled with the recognition that their chemical, physiological, not knowledge and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective colothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.