


Section 1: Identification

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| Common Name/Trade Name | LEVOFLOXACIN HEMIHYDRATE | |
| Supplier Information | Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693 | IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) |
| Product Synonym(s) | (-)-Ofloxacin; 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-hydrate (2:1), (S)-, Hemihydrate C ₁₈ H ₂₀ FN ₃ O ₄ ·½H ₂ O | |
| Relevant Use(s) of Product | Manufacture or Compounding of Substances | |

Section 2: Hazards Identification

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| Classification of Substance or Mixture | Acute toxicity, Oral (Category 4), Respiratory sensitization (Category 1), Skin sensitization (Category 1), Reproductive toxicity (Category 2), Effects on or via lactation | |
| Signal Word | Danger | |
| Hazard Statement(s) | H302 Harmful if swallowed H317 May cause an allergic skin reaction H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled H361d Suspected of damaging the unborn child H362 May cause harm to breast-fed children | |
| Pictogram(s) |  | |
| Precautionary Statement(s) | P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P263 Avoid contact during pregnancy/while nursing. P280 Wear protective gloves/protective clothing/eye protection/face protection. P342+P311 If experiencing respiratory symptoms Call a POISON CENTER or doctor/physician. | |
| Hazards Not Otherwise Classified | No data available | |
| Ingredient(s) with Unknown Toxicity | No data available | |

Section 3: Composition/Information on Ingredients

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| Chemical Name | (-)-Ofloxacin; 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-hydrate (2:1), (S)-, Hemihydrate C ₁₈ H ₂₀ FN ₃ O ₄ ·½H ₂ O |
| Common Name | Levofloxacin Hemihydrate |
| CAS Number | 138199-71-0 |
| Impurities and/or Stabilizing Additives | No data available |

Section 4: First Aid Measures

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| General Advice | Consult physician. Show this data sheet to the doctor in attendance. Move out of dangerous area. |
| If Inhaled | If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| In Case of Skin Contact | Wash off with soap and plenty of water. Consult a physician. |
| In Case of Eye Contact | Flush eyes with water as a precaution. |
| If Swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. |
| Most Important Symptoms and Effects | Not flammable or combustible |

Section 5: Fire Fighting Measures

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| Suitable Extinguishing Media | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Special Hazards Arising From the Substance/Mixture | Hazardous decomposition products formed under fire conditions- Carbon oxides, nitrogen oxides (NO _x), Hydrogen fluoride. |
| Special PPE and/or Precautions for Firefighters | Wear self contained breathing apparatus for fire fighting if necessary. |

| Section 6: Accidental Release Measures | |
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| Personal Precautions, Protective Equipment and Emergency Procedures | Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. |
| Methods and Materials Used for Containment | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. |
| Cleanup Procedures | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |

| Section 7: Handling and Storage | |
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| Precautions for Safe Handling | Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. |
| Conditions for Safe Storage | Keep in tight, light-resistant container and store in a dry and well-ventilated place. |

| Section 8: Exposure Controls/Personal Protection | |
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| Components with Workplace Control Parameters | Contains no substances with occupational exposure limit values. |
| Appropriate Engineering Controls | Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use mechanical exhaust or laboratory fume hood to avoid exposure. |
| PPE - Eye/Face Protection | Faceshield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). |
| PPE - Skin Protection | Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. |
| PPE - Body Protection | Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after each use in accordance with applicable laws and good laboratory practices. Wash and dry hands. |
| PPE - Respiratory Protection | Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). |

| Section 9: Physical and Chemical Properties | |
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| Appearance | Form: Powder Colour: Light yellow |
| Upper/Lower Flammability or Explosive Limits | No data available |
| Odor | No data available |
| Vapor Pressure | No data available |
| Odor Threshold | No data available |
| Vapor Density | No data available |
| pH | No data available |
| Relative Density | No data available |
| Melting Point/Freezing Point | No data available |
| Solubility | No data available |
| Initial Boiling Point and Boiling Range | No data available |
| Flash Point | No data available |
| Evaporation Rate | No data available |
| Flammability (Solid, Gas) | No data available |
| Partition Coefficient | No data available |
| Auto-Ignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Viscosity | No data available |

Section 10: Stability and Reactivity

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| Reactivity | No data available |
| Chemical Stability | Stable under recommended storage conditions. |
| Possibility of Hazardous Reactions | No data available |
| Conditions to Avoid | No data available |
| Incompatible Materials | Strong oxidizing agents |
| Hazardous Decomposition Products | Hazardous decomposition products formed under fire conditions-Carbon oxides, nitrogen oxides, nitrogen oxides (NOx) Other decomposition products - No data available |

Section 11: Toxicological Information

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| Acute Toxicity - LD50 Oral | LD50 Oral - rat - 1,478 mg/kg Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Ptois. Behavioral: Somnolence (general depressed activity). Respiratory disorder |
| Acute Toxicity - Inhalation | No data available |
| Acute Toxicity - Dermal | No data available |
| Acute Toxicity - Eye | No data available |
| Skin Corrosion/Irritation | No data available |
| Serious Eye Damage/Irritation | No data available |
| Respiratory or Skin Sensitization | May cause allergic reaction. May cause allergic skin reaction. Causes photosensitivity. Exposure to light can result in allergic reactions resulting in dermatologic lesions, which can vary from sunburn like responses to edmatous, vesiculated lesions, or bullae. |
| Germ Cell Mutagenicity | No data available |
| Carcinogenicity IARC | No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| Carcinogenicity ACGIH | No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| Carcinogenicity NTP | No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. |
| Carcinogenicity OSHA | No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA. |
| Reproductive Toxicity | Reproductive toxicity -rat -Oral Effects on Newborn: Growth statistics (e.g. reduce weight gain). Teratogenicity Developmental Toxicity - rat - Oral Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Effects on Embryo or Fetus: Fetal death. Specific Developmental Abnormalities: Musculoskeletal system. Suspected of damaging the unborn child. Suspected human reproductive toxicant Effects on a via lactation. |
| Specific Target Organ Toxicity - Single Exposure | No data available |
| Specific Target Organ Toxicity - Repeated Exposure | No data available |
| Aspiration Hazard | No data available |

Section 12: Ecological Information

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| Toxicity | No data available |
| Persistence and Degradability | No data available |
| Bio-accumulative Potential | No data available |
| Mobility in Soil | No data available |
| Other Adverse Effects | No data available |

Section 13: Disposal Considerations

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| Waste Treatment Methods Product | Offer surplus and non-recyclable solutions to a licensed disposal company. 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. |
| Waste Treatment Methods Packaging | Dispose of as unused product. |
| Special Precautions Landfill or Incinerations | No data available |
| Other Information | No data available |

Section 14: Transport Information

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| UN Number | Not dangerous goods. |
| UN Proper Shipping Name | N/A |
| Transport Hazard Class(es) | N/A |
| Packaging Group | N/A |
| Environmental Hazards | N/A |

Section 15: Regulatory Information

WHMIS Classification D2A Very Toxic Material Causing Other Toxic Effects Teratogen D2B Toxic Material Causing Other Toxic Effects Respiratory sensitizer Skin sensitizer This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16: Other Information

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| Additional Information | N/A |
| Prepared By | Lisa Russell |
| Revision Date | 01/11/2019 10:00 |

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