

| Section 1: Identification | | | |
|--|--|--|---|
| Common Name/Trade Name | CIPROFLOXACIN HCL | | |
| Supplier Information | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"> Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693 </td> <td style="width: 40%; vertical-align: top;"> IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) </td> </tr> </table> | 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) |
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| Product Synonym(s) | 1-cyclopropyl-6-fluoro-4-dihydro-4-oxo-7-(1-piperazinyl)-3- Quinolinecarboxylic acid, monohydrochloride | | |
| Relevant Use(s) of Product | Manufacture or Compounding of Substances | | |

| Section 2: Hazards Identification | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------|---|------|---------------------------------------|------|--|------|--|------|----------------------------------|-----------|---|-----------|--------------------------------------|-----------|--|-----------|---|----------------|--|------|--|------|--------------|-----------|---|-----------|--|------|---|
| Classification of Substance or Mixture | Acute Toxicity Inhalation (Category 2), Acute Toxicity Oral (Category 4), Acute Toxicity Skin (Category 2), Skin Corrosion/Irritation (Category 2), Serious Eye Damage/Eye Irritation (Category 2), Target Organ Systemic Toxicity (single exposure) (Category 3) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Signal Word | Danger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hazard Statement(s) | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">H315</td> <td>Causes skin irritation</td> </tr> <tr> <td>H317</td> <td>May cause an allergic skin reaction</td> </tr> <tr> <td>H319</td> <td>Causes serious eye irritation</td> </tr> <tr> <td>H334</td> <td>May cause allergy or asthma symptoms or breathing difficulties if inhaled</td> </tr> <tr> <td>H335</td> <td>May cause respiratory irritation</td> </tr> <tr> <td>H410</td> <td>Very toxic to aquatic life with long lasting effects</td> </tr> </table> | H315 | Causes skin irritation | H317 | May cause an allergic skin reaction | H319 | Causes serious eye irritation | H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled | H335 | May cause respiratory irritation | H410 | Very toxic to aquatic life with long lasting effects | | | | | | | | | | | | | | | | | | |
| H315 | Causes skin irritation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H317 | May cause an allergic skin reaction | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H319 | Causes serious eye irritation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H335 | May cause respiratory irritation | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H410 | Very toxic to aquatic life with long lasting effects | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pictogram(s) |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Precautionary Statement(s) | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">P261</td> <td>Avoid breathing dust/fume/gas/mist/vapours/spray.</td> </tr> <tr> <td>P264</td> <td>Wash hands thoroughly after handling.</td> </tr> <tr> <td>P272</td> <td>Contaminated work clothing should not be allowed out of the workplace.</td> </tr> <tr> <td>P280</td> <td>Wear protective gloves/protective clothing/eye protection/face protection.</td> </tr> <tr> <td>P284</td> <td>Wear respiratory protection.</td> </tr> <tr> <td>P301+P312</td> <td>IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell.</td> </tr> <tr> <td>P302+P352</td> <td>IF ON SKIN Wash with soap and water.</td> </tr> <tr> <td>P304+P341</td> <td>IF INHALED If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.</td> </tr> <tr> <td>P304+P340</td> <td>IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing.</td> </tr> <tr> <td>P305+P351+P338</td> <td>IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing.</td> </tr> <tr> <td>P312</td> <td>Call a POISON CENTER or doctor/physician if you feel unwell.</td> </tr> <tr> <td>P330</td> <td>Rinse mouth.</td> </tr> <tr> <td>P332+P313</td> <td>If skin irritation occurs Get medical advice/attention.</td> </tr> <tr> <td>P337+P313</td> <td>If eye irritation persists Get medical advice/attention.</td> </tr> <tr> <td>P362</td> <td>Take off contaminated clothing and wash before reuse.</td> </tr> </table> | P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. | P264 | Wash hands thoroughly after handling. | P272 | Contaminated work clothing should not be allowed out of the workplace. | P280 | Wear protective gloves/protective clothing/eye protection/face protection. | P284 | Wear respiratory protection. | P301+P312 | IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. | P302+P352 | IF ON SKIN Wash with soap and water. | P304+P341 | IF INHALED If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. | P304+P340 | IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. | P305+P351+P338 | IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. | P312 | Call a POISON CENTER or doctor/physician if you feel unwell. | P330 | Rinse mouth. | P332+P313 | If skin irritation occurs Get medical advice/attention. | P337+P313 | If eye irritation persists Get medical advice/attention. | P362 | Take off contaminated clothing and wash before reuse. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/spray. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P264 | Wash hands thoroughly after handling. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P272 | Contaminated work clothing should not be allowed out of the workplace. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P284 | Wear respiratory protection. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P301+P312 | IF SWALLOWED Call a POISON CENTER or doctor/physician if you feel unwell. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P302+P352 | IF ON SKIN Wash with soap and water. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P304+P341 | IF INHALED If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P304+P340 | IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P305+P351+P338 | IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P330 | Rinse mouth. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P332+P313 | If skin irritation occurs Get medical advice/attention. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P337+P313 | If eye irritation persists Get medical advice/attention. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P362 | Take off contaminated clothing and wash before reuse. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | N/A |
| Common Name | Ciprofloxacin Hydrochloride |
| CAS Number | 86393-32-0 |
| Impurities and/or Stabilizing Additives | No data available |

Section 4: First Aid Measures

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| General Advice | No data available |
| If Inhaled | Remove from exposure and move to fresh air immediately. Get medical aid. |
| In Case of Skin Contact | Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid. |
| In Case of Eye Contact | Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. |
| If Swallowed | Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel. |
| Most Important Symptoms and Effects | No data available |

Section 5: Fire Fighting Measures

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| Suitable Extinguishing Media | In case of fire, Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers. Unsuitable Extinguishing: A solid water stream may be inefficient |
| Special Hazards Arising From the Substance/Mixture | No data available |
| Special PPE and/or Precautions for Firefighters | As in any fire, wear a self-contained breathing apparatus in pressure demand. |

Section 6: Accidental Release Measures

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| Personal Precautions, Protective Equipment and Emergency Procedures | As conditions warrant, wear a NIOSH approved Self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves). |
| Methods and Materials Used for Containment | Take steps to avoid release into the environment, if safe to do so. |
| Cleanup Procedures | Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations |

Section 7: Handling and Storage

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|--------------------------------------|--|
| Precautions for Safe Handling | Avoid breathing dust. Avoid contact with skin and eyes. Avoid prolonged and repeated exposure |
| Conditions for Safe Storage | Store below 30°C, dry place. Keep container tightly closed. Store in accordance with information listed on the product insert. |

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 | Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a Safety shower. Wash thoroughly after handling. |
| PPE - Eye/Face Protection | Wear safety goggles |
| PPE - Skin Protection | Wear appropriate protective gloves and clothing to prevent skin exposure. |
| PPE - Body Protection | Appropriate protective clothing, overalls |
| PPE - Respiratory Protection | Follow the OSHA respirator regulations found in 29CFR 1910.134 or Europe Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary. |

Section 9: Physical and Chemical Properties

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|---|--------------------|
| Appearance | Crystalline solid. |
| 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 if stored in accordance with information listed on the product insert. |
| Possibility of Hazardous Reactions | No data available |
| Conditions to Avoid | No data available |
| Incompatible Materials | Strong oxidizing agents. |
| Hazardous Decomposition Products | No data available |

Section 11: Toxicological Information

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| Acute Toxicity - LD50 Oral | Oral LD50 (rat): > 5 g/kg; Oral LD50 (mouse) : > 5 g/kg; Intramuscular LD50 (rat): 300 mg/kg; Intramuscular LD50 (mouse):258 mg/kg; |
| 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 | No data available |
| Germ Cell Mutagenicity | No data available |
| Carcinogenicity IARC | No data available |
| Carcinogenicity ACGIH | No data available |
| Carcinogenicity NTP | No data available |
| Carcinogenicity OSHA | No data available |
| Reproductive Toxicity | No data available |
| 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. Avoid release into the environment. Runoff from fire control or dilution water may cause pollution. |
| 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 | Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. |
| Waste Treatment Methods Packaging | Waste Disposal Method: Dispose in accordance with local, state, and federal regulations. |
| 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

No data available

Section 16: Other Information

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| Additional Information | N/A |
| Prepared By | Lisa Russell |
| Revision Date | 01/08/2019 17:11 |

Disclaimer

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