



**Material Safety Data Sheet**

| Section 1: Product and Company Identification |                          |                    |              |
|-----------------------------------------------|--------------------------|--------------------|--------------|
| <b>Product Name</b>                           | Cephalexin hydrochloride |                    |              |
| <b>Catalogue Number:</b>                      | AS-2008                  | <b>CAS Number:</b> | 59695-59-9   |
| <b>E-mail:</b>                                | Sales@ausamics.com       | <b>Website:</b>    | Ausamics.com |

| Section 2: Hazards Identification |                    |
|-----------------------------------|--------------------|
| <b>OSHA Hazards</b>               | No Specific Hazard |

| Section 3: Composition / Information on Ingredients |               |
|-----------------------------------------------------|---------------|
| <b>Mixture</b>                                      |               |
| <b>Formula</b>                                      | C16H18ClN3O4S |
| <b>Molecular Weight</b>                             | 383.85        |

| Section 4: First Aid Measures            |                                                                                                                                                                 |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description of first-aid measures</b> |                                                                                                                                                                 |
| <b>If inhaled</b>                        | Remove to fresh air; if breathing is difficult, give oxygen; if breathing stops, give artificial respiration.                                                   |
| <b>In case of skin contact</b>           | Flush with copious amounts of water; remove contaminated clothing and shoes; call a physician; Take victim to hospital immediately; call a physician.           |
| <b>In case of eye contact</b>            | Check for and remove contact lenses and flush with copious amounts of water; assure adequate flushing by separating the eyelids with fingers; call a physician. |
| <b>If swallowed</b>                      | If swallowed, wash out mouth with copious amounts of water; call a physician                                                                                    |

| Section 5: Fire Fighting Measures                    |                                                                                                                        |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Conditions of flammability</b>                    | Not flammable or combustible                                                                                           |
| <b>Suitable extinguishing media</b>                  | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.                                               |
| <b>Special protective equipment for firefighters</b> | Wear self-contained breathing apparatus for firefighting if necessary.                                                 |
| <b>Hazardous combustion products</b>                 | Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx), Sulphur oxides. |



| Section 6: Accidental Release Measures                       |                                                                                                                            |
|--------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions</b>                                  | Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas.                                    |
| <b>Environmental precautions</b>                             | Do not let product enter drains. Prevent further leakage or spillage if safe to do so.                                     |
| <b>Methods and materials for containment and cleaning up</b> | Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. |

| Section 7: Handling and Storage      |                                                                                                                                                 |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b> | Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. |
| <b>Conditions for safe storage</b>   | Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Store at -20°C Keep in a dry place.          |

| Section 8: Exposure Controls / Personal Protection                                                                                                                                                                                                                                                                                                                                                                                                            |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Personal protective equipment as follows</b><br>Contains no substances with occupational exposure limit values.                                                                                                                                                                                                                                                                                                                                            |  |
| <b>Respiratory protection</b><br>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). |  |
| <b>Hand protection</b><br>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.                                                                                                                      |  |
| <b>Eye protection</b><br>Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).                                                                                                                                                                                                                                                                                                        |  |
| <b>Skin and body protection</b><br>Choose body protection in relation to its type, to the concentration and number of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.                                                                                                                                  |  |
| <b>Hygiene measures</b><br>General industrial hygiene practice.                                                                                                                                                                                                                                                                                                                                                                                               |  |

| Section 9: Physical and Chemical Properties |                   |
|---------------------------------------------|-------------------|
| Physical state                              | Powder            |
| Odor                                        | No data available |
| Odor Threshold                              | No data available |
| Melting point/freezing point                | No data available |
| Initial boiling point and boiling range     | No data available |
| Evaporation rate                            | No data available |



|                                              |                   |
|----------------------------------------------|-------------------|
| Flammability (solid, gas)                    | No data available |
| Upper/lower flammability or explosive limits | No data available |
| Flash point                                  | No data available |
| Vapor pressure                               | No data available |
| Vapor density                                | No data available |
| Autoignition temperature                     | No data available |
| Decomposition temperature                    | No data available |
| pH                                           | No data available |
| Viscosity                                    | No data available |
| Water solubility                             | No data available |
| Partition coefficient: n-octanol/water       | No data available |
| Relative density                             | No data available |
| Explosive properties                         | No data available |
| Oxidizing properties                         | No data available |
| <b>Other safety information</b>              | No data available |

| Section 10: Stability and Reactivity      |                                              |
|-------------------------------------------|----------------------------------------------|
| <b>Chemical stability</b>                 | Stable under recommended storage conditions. |
| <b>Possibility of hazardous reactions</b> | No data available.                           |
| <b>Conditions to avoid</b>                | No data available.                           |
| <b>Incompatible materials</b>             | Strong acids, Strong bases.                  |
| <b>Hazardous decomposition products</b>   | In the event of fire: see section 5          |

| Section 11: Toxicological Information                                                                                                                         |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Carcinogenicity</b>                                                                                                                                        |  |
| 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. |  |
| ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.           |  |
| 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.                  |  |
| OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.             |  |

| Section 12: Ecological Information |                    |
|------------------------------------|--------------------|
| <b>General notes</b>               | No data available. |



| Section 13: Disposal Consideration |                                                                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste treatment methods</b>     |                                                                                                                                                       |
| <b>Product</b>                     | Offer surplus and non- recyclable solutions to a licensed company. Contact a licensed professional waste disposal service to dispose of this material |
| <b>Contaminated packaging</b>      | Dispose of as unused product.                                                                                                                         |

| Section 14: Transport Information |                                                                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DOT (US)</b>                   | This substance is non-hazardous for transport.                                                                                                                                          |
| <b>IMDG</b>                       | UN number: 3077<br>Class: 9<br>Packing group: III<br>EMS-No: F-A, S-F<br>Proper shipping name: Environmentally hazardous substance, solid, n.o.s.<br>Marine pollutant: Marine pollutant |
| <b>IATA</b>                       | UN number: 3077<br>Class: 9<br>Packing group: III<br>Proper shipping name: Environmentally hazardous substance, solid, n.o.s.                                                           |

| Section 15: Regulatory Information |                                                                                                                                                                                             |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SARA 302 Components</b>         | SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.                                                                           |
| <b>SARA 313 Components</b>         | SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. |
| <b>SARA 311/312 Hazards</b>        | Acute Health Hazard.                                                                                                                                                                        |

| Section 16: Additional Notes |                                                                                                                                                                                                                                                                                                          |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Documented By</b>         | Ausamics Life Science<br>Sales@Ausamics.com                                                                                                                                                                                                                                                              |
| <b>Revision date</b>         | June 01, 2024                                                                                                                                                                                                                                                                                            |
| <b>Summary of Revisions</b>  | This document has been revised to meet the requirements of the US OSHA HazCom 2012 Standard, which supersedes the existing regulations outlined in 29 CFR 1910.1200, in order to align with the internationally recognized globally Harmonized System of Classification and Labeling of chemicals (GHS). |



**Disclaimer**

The information presented in this Safety Data sheet is accurate to the best of our knowledge, information, and belief at the time of publication. It is intended as a guide for the safe handling, use, processing, storage, transportation, disposal, and release of specific materials. However, it should be interpreted as a warranty or quality specification. The provided information pertains solely to the designated material and may not be applicable to its use in combination with other materials or in any process, unless explicitly stated in the text.