

# Material Safety Data Sheet

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## Section 1 - Chemical Product and Company Identification

|                      |                               |
|----------------------|-------------------------------|
| <b>Product name:</b> | Hypoxanthine disodium salt    |
| <b>CAS Number:</b>   | 199329-61-8                   |
| <b>Company:</b>      | Kaimosi BioChem Tech Co., Ltd |
| <b>Telephone:</b>    | +86 571 8719 1913             |
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## Section 2 - Composition, Information on Ingredients

|                        |                                               |
|------------------------|-----------------------------------------------|
| <b>Hazard Symbols:</b> | None listed                                   |
| <b>Risk Phrases:</b>   | 63 Possible risk of harm to the unborn child. |

## Section 3 - Hazards Identification

| Potential Health Effects |                                                                           |
|--------------------------|---------------------------------------------------------------------------|
| <b>Eye:</b>              | May cause eye irritation.                                                 |
| <b>Skin:</b>             | May cause skin irritation. May be harmful if absorbed through the skin.   |
| <b>Ingestion:</b>        | May cause irritation of the digestive tract. May be harmful if swallowed. |
| <b>Inhalation:</b>       | May cause respiratory tract irritation. May be harmful if inhaled.        |
| <b>Chronic:</b>          |                                                                           |

## Section 4 - First Aid Measures

|              |                                                                                                                             |
|--------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Eye:</b>  | Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. |
| <b>Skin:</b> | Instantly wash with water and soap and rinse thoroughly. Seek immediate medical advice.                                     |

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Ingestion:</b>          | Get medical aid. Wash mouth out with water.                                                                           |
| <b>Inhalation:</b>         | Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. |
| <b>Notes to Physician:</b> | Treat symptomatically and supportively.                                                                               |

## Section 5 - Fire Fighting Measures

|                              |                                                                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General Information:</b>  | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. |
| <b>Extinguishing agents:</b> | Carbon dioxide, extinguishing powder and water jet, Fight larger fires with water jet or chemical foam.                                      |

## Section 6 - Accidental Release Measures

|                             |                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>General Information:</b> | Use proper personal protective equipment as indicated in Section 8.                                          |
| <b>Spills/Leaks:</b>        | Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. |

## Section 7 - Handling and Storage

|                  |                                                                                                                          |
|------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Handling:</b> | Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep ignition sources away- Do not smoke.   |
| <b>Storage:</b>  | Store in a tightly closed container. Store in a dry area. Refrigerator (approx 4 °C). Protect from the effects of light. |

## Section 8 - Exposure Controls, Personal Protection

| <b>Personal Protective Equipment</b> |                                                                                                                                                                                                                                                   |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye:</b>                          | Wear chemical splash goggles.                                                                                                                                                                                                                     |
| <b>Skin:</b>                         | Wear appropriate protective gloves to prevent skin exposure.                                                                                                                                                                                      |
| <b>Clothing:</b>                     | May cause irritation of the digestive tract. May be harmful if swallowed.                                                                                                                                                                         |
| <b>Inhalation:</b>                   | Wear appropriate protective clothing to prevent skin exposure.                                                                                                                                                                                    |
| <b>Respirators:</b>                  | Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. |

## Section 9 - Physical and Chemical Properties

|                                   |                                                                |
|-----------------------------------|----------------------------------------------------------------|
| <b>Physical State:</b>            | Powder                                                         |
| <b>Color:</b>                     | White or Off White                                             |
| <b>Odor:</b>                      | Not available                                                  |
| <b>pH:</b>                        | Not available                                                  |
| <b>Vapor Pressure:</b>            | Not available                                                  |
| <b>Boiling Point:</b>             | Not available                                                  |
| <b>Freezing/Melting Point:</b>    | Not available                                                  |
| <b>Autoignition Temperature:</b>  | Not available                                                  |
| <b>Flash Point:</b>               | Not available                                                  |
| <b>Explosion Limits: Lower:</b>   | Not available                                                  |
| <b>Explosion Limits: Upper:</b>   | Not available                                                  |
| <b>Decomposition Temperature:</b> | Not available                                                  |
| <b>Solubility in water:</b>       | Not available                                                  |
| <b>Specific Gravity/Density:</b>  | Not available                                                  |
| <b>Molecular Formula:</b>         | C <sub>5</sub> H <sub>2</sub> N <sub>4</sub> Na <sub>2</sub> O |
| <b>Molecular Weight:</b>          | 180.08                                                         |

## Section 10 - Stability and Reactivity

|                                                |                                                   |
|------------------------------------------------|---------------------------------------------------|
| <b>Chemical Stability:</b>                     | Not available                                     |
| <b>Conditions to Avoid:</b>                    | Incompatible materials                            |
| <b>Incompatibilities with Other Materials:</b> | Strong oxidizing agents.                          |
| <b>Hazardous Decomposition Products:</b>       | Nitrogen oxides, carbon monoxide, carbon dioxide. |
| <b>Hazardous Polymerization:</b>               | Has not been reported.                            |

## Section 11 - Toxicological Information

|                          |                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>LD50/LC50:</b>        | Oral ;LD50; >5000mg/kg (mouse)                                                                                                                                                                                                                                                                                                       |
| <b>Sensitization:</b>    | Not sensitizing effect know.                                                                                                                                                                                                                                                                                                         |
| <b>Other information</b> | <p>Possible risk of impaired fertility.</p> <p>Possible risk of harm to the unborn child.</p> <p>To the best of our knowledge the acute and chronic toxicity of this substance is not fully know.</p> <p>No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.</p> |

## Section 12 - Ecological Information

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or swage system.

Do not allow material to be released to the environment without proper governmental permits.

## Section 13 - Disposal Considerations

|                            |                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product:</b>            | Consult state, local or national regulations for proper disposal.<br>Hand over to disposers of hazardous waste.<br>Must be specially treated under adherence to official regulations. |
| <b>Uncleaned packings:</b> | Disposal must be made according to official regulations.                                                                                                                              |

## Section 14 - Transport Information

|                       | <b>IATA</b>   | <b>IMO</b>    | <b>RID/ADR</b> |
|-----------------------|---------------|---------------|----------------|
| <b>Shipping Name:</b> | Not available | Not available | Not available  |
| <b>Hazard Class:</b>  |               |               |                |
| <b>UN Number:</b>     |               |               |                |
| <b>Packing Group:</b> |               |               |                |

## Section 15 - Regulatory Information

|                                             |                                                                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Risk phrases:</b>                        | 63 Possible risk of harm to the unborn child.                                                                            |
| <b>Safety phrases</b>                       | 36/37 Wear suitable protective clothing and gloves.                                                                      |
| <b>Information about limitation of use:</b> | Employment restrictions concerning young persons must be observed.<br>For use only by technically qualified individuals. |
| <b>Water hazard class:</b>                  | Water hazard class 1 (Self-assessment): slightly hazardous for water.                                                    |

## Section 16 - Other Information

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