

Material Safety Data Sheet Taurine MSDS

1. SUBSTANCE IDENTIFICATION

- **1.1. Product Name:** [Taurine](#)
- **1.2. Description:** Taurine is a organic acid manufactured through chemical synthesis.
- **1.3. Chemical Formula:** C₂H₇NO₃S
- **1.4. Molecular weight:** 125.15
- **1.5. CAS #:** 107-35-7
- **1.6. EINECS #:** 203-483-8
- **1.7. Manufactured by:** Hebi City Hexin Chem Ind. CO., LTD., Henan China.
- **1.8. Supplied by:** Hebi City Hexin Chem Ind. CO., LTD., Henan China.
- **1.9. Usage:** In food as nutritional supplements

2. Composition

- **2.1. Taurine:** >99%
- **2.2. Hazardous impurities:**

HEAVY METALS	MAX 10PPM,
IRON	MAX 10 PPM,
RELATED UBSTANCES	MAX 0.2%
LOSS ON DRY	MAX 0.2%
RESIDUE ON IGNITION	MAX 0.1%
TOTAL PLATE COUNT	MAX 100CFU/G
MOLD	MAX 10CFU/G
YEAST	MAX 10CFU/G

3. Physical/Chemical Characteristics

- **3.1. Physical State:** Powder
- **3.2. Appearance:** COLORLESS OR WHITE CRYSTALS, OR WHITE CRYSTALLINE POWDER
- **3.3. Odor:** Odorless.
- **3.4. pH:** 9.0, 35 °C
- **3.5. Melting point/range:** 300 C (572 F)
- **3.6. Boiling point:** Not available
- **3.7. Bulk density:** 1.734 g/cm³
- **3.8. Solubility:** Soluble in cold water. Solubility in water: 65 g/l

4. Stability/Reactivity

- **4.1. Chemical Stability:** Stable under normal temperatures and pressures
- **4.2. Shelf Life:** 24 months period
- **4.3. Hazardous decomposition:** carbon oxides (CO, CO₂).
- **4.4. Hazardous polymerization:** Will not occur
- **4.5. Incompatible with:** oxidizing agents

5. Handling/Storage

- **5.1. Storage:** Store in a cool and dry place and Keep away from strong light and heat
- **5.2. Handling precaution:** Keep away from sources of ignition. Ground all equipment containing material.

6. Exposure Control

- **6.1. Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommend edexposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit
- **6.2. Respiratory protection:** NIOSH/MSHA or European Standard EN 149 approved respirator
- **6.3. Eye Protection:** Protective eyeglasses or chemical safety goggles
- **6.4. Skin Protection:** Wear appropriate protective gloves and clothes to minimize skin contact.
- **6.5. Other:** Consult professionals if Taurine need to be handled under some special conditions.

7. Hazards Identification

- **7.1. Hazardous overview: Taurine is Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation**
- **7.2. Contact with eyes:** May cause eye irritation.
- **7.3. Contact with skin:** May cause skin irritation.
- **7.4. Ingestion:** May irritate the tissues of the mouth, esophagus, and other tissues of the digestive system
- **7.5. Inhalation:** May cause irritation to the respiratory tract and gastrointestinal
- **7.6. Other:** Not Applicable

8. First Aid Measures

- **8.1. Contact with eyes:** Flush immediately with plenty of water for 15 minutes and seek medical advice
- **8.2. Contact with skin: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops**
- **8.3. Ingestion:** Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.
- **8.4. Inhalation:** Remove from exposure, move to fresh air and seek medical advice immediately.

9. Fire and Explosion Data

- **9.1. General information:** May be combustible at high temperature.
- **9.2. Flash point:** Not available
- **9.3. Ignition control:** Avoid ignition sources where Taurine powder might be generated.
- **9.4. Dust control:** Keep the handling area with adequate ventilation
- **9.5. Extinguishing Media:** Water spray, dry chemical or carbon dioxide
- **9.6. Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Absorb with DRY earth, sand or other noncombustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.

10. Transport Information

- **10.1. No special requirements and no restrictions on transportation by land, sea or air.**

11. Ecological Information

- **11.1. Taurine is fully degradation biodegradable. The product itself and its products of degradation are not toxic.**

12. Other Information

- **12.1. This Safety Data Sheet of Taurine is based upon a limited review of Hebi City Hexin Chem Ind. CO., LTD. files and standard Toxicological handbooks. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Hebi City Hexin Chem Ind. CO., LTD. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Hebi City Hexin Chem Ind. CO., LTD. has been advised of the possibility of such damages.**

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