Safety Data Sheet (SDS)

Section 1 - Product Information

- **Product Name:** Mebendazole
- **Product Number:** CAS#: 31431-39-7
- **Identified Uses:** Laboratory chemical, Manufacturing, Research and Development
- **Company name:** Albochemicals LLC
- **Company website:** https://albochem.com
- **Address:** Albochemicals LLC, 8 The Green STE 10911 Dover, DE 19901
- **Email:** onlinestore@albochem.com

Section 2 - Hazards Identification

- **2.1 Classification of the substance or mixture:** Acute toxicity - Oral, Category 4.
- **2.2 GHS Label elements:**
  - **Signal word:** Warning
  - **Hazard statement(s):** H302 Harmful if swallowed.
  - **Precautionary statements:** P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- **2.3 Hazards not otherwise classified (HNOC):** None known.

Section 3 - Composition/Information on Ingredient

Attribute	Details
Composition	Mebendazole
Synonyms	Methyl 5-benzoyl-2-benzimidazolecarbamate
Formula	C16H13N3O3
CAS	31431-39-7
Inactive ingredients	N/A

Section 4 - First aid measures

- **General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.
- **If inhaled:** Remove to fresh air. If not breathing, give artificial respiration. Consult a physician.
- **In case of skin contact:** Wash off immediately with soap and plenty of water. Consult a physician if irritation develops.

- **In case of eye contact:** Flush eyes with water for at least 15 minutes as a precaution. Consult a physician.
- **If swallowed:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician immediately.

Section 5 - Firefighting measures

- **5.1 Extinguishing media:** Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
- **5.2 Special hazards:** Carbon oxides, Nitrogen oxides (NOx). Combustible.
- **5.3 Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 - Accidental Release Measures

- **Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation.
- **Environmental precautions:** Do not let product enter drains or water courses.
- **Methods for clean up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

- **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 container tightly closed in a dry and well-ventilated place. Store away from incompatible materials such as strong oxidizing agents.

Section 8 - Exposure Controls / PPE

- **ENGINEERING CONTROLS:** Safety shower and eye bath. Use process enclosures or local exhaust ventilation to keep airborne levels below recommended exposure limits.
- **Respiratory:** Use respirators and components tested and approved under appropriate government standards (e.g., NIOSH or CEN).
- **Hand:** Compatible chemical-resistant gloves.
- **Eye:** Chemical safety goggles.
- **GENERAL HYGIENE MEASURES:** Wash thoroughly after handling. Do not eat, drink, or smoke when using this product.

Section 9 - Physical/Chemical Properties

- **Appearance Physical State:** Solid / Powder
- **Molecular Weight:** 295.29 g/mol
- **pH:** N/A
- **Melting Point:** ~288.5 °C (decomposes)

Section 10 - Stability and Reactivity

- **STABILITY:** Stable under normal storage conditions.
- **Materials to Avoid:** Strong oxidizing agents.
- **HAZARDOUS DECOMPOSITION PRODUCTS:** Toxic fumes of carbon monoxide, carbon dioxide, Nitrogen oxides (NOx).
- **HAZARDOUS POLYMERIZATION:** Will not occur.

Section 11 - Toxicological Information

- **Acute toxicity:** Oral LD50 (Rat): 714 mg/kg.
- **Carcinogenicity:** IARC, NTP, and OSHA do not list this component at levels greater than or equal to 0.1% as a probable, possible, or confirmed human carcinogen.
- **Potential health effects:** Harmful if swallowed. May cause eye or skin irritation.

Section 12 & 13 - Ecological Information & Disposal

- **Ecological Data:** Very toxic to aquatic life. Do not release to the environment.
- **Disposal:** Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Section 14, 15, & 16 - Transport, Regulatory, Other Information

- **TRANSPORT:** Not classified as dangerous goods for transport according to DOT (US). (Note: Check specific regional requirements for IMDG/IATA regarding environmentally hazardous substances).
- **California Prop. 65:** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
- **TSCA:** Product contains substance(s) not listed on the TSCA inventory. Supplied for R&D purposes only.
- **DISCLAIMER:** For R&D and manufacturing use only. Not for human consumption, drug, or household uses.