

Changzhou Yabang-QH Pharmachem Co., Ltd.

Material Safety Data Sheet

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Section 1: Product and Company Information

Product Name: MEBENDAZOLE
Company: Changzhou Yabang-QH Pharmachem Co., Ltd.
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Section 2: Composition/Information on Ingredients

Substance Name: MEBENDAZOLE
CAS #: 31431-39-7
Formula: $C_{16}H_{13}N_3O_3$

Synonyms:

* Mebendazolum [INN-Latin], * (5-Benzoyl-1H-benzimidazol-2-yl)-carbamic acid methyl ester,
* (5-Benzoyl-1H-benzimidazol-2-yl)carbamic acid methyl ester,
* (5-Benzoyl-1H-benzimidazol-2-yl)-carbamic acid methyl ester,
* 2-Benzimidazolecarbamic acid, 5-benzoyl-, methyl ester,
* 2-Benzimidazolecarbamic acid, 5-benzoyl-, methyl ester (8CI),
* 5-Benzoyl-2-benzimidazolecarbamic acid methyl ester,
* 5-Benzoyl-2-benzimidazolecarbamic acid, methyl ester, *AIDS-007900, * AIDS007900,
* Bantanol, *BAS 00341140, *Besantin, *Carbamic acid, (5-benzoyl-1H-benzimidazol-2-yl)-, methyl ester,
* Carbamic acid, (5-benzoyl-1H-benzimidazol-2-yl)-, methyl ester (9CI),
* Carbamic acid, N-(5-benzoylbenzimidazol-2-yl)-, methyl ester, *CBDive_010559,
* CCRIS 4479, * D00368, * DivK1c_000751, *EINECS 250-635-4, *Equivurm Plus,
* HSDB 3232, *KBio1_000751, *KBio2_001778, *KBio2_004346, *KBio2_006914, *KBio3_002398,
* KBioGR_000712, * KBioSS_001778, * Lomper, * MBDZ, * Mebendazol [INN-Spanish],
* MEBENDAZOLE, * Mebendazole (JAN/USP), * Mebendazole [USAN:BAN:INN:JAN], * Mebenoazole,
* Mebenvet, * Mebex, * Mebutar, * MLS000028491, * Methyl 5-benzoyl benzimidazole-2-carbamate,
* Methyl 5-benzoyl-2-benzimidazolecarbamate, * Methyl 5-benzoyl-2-benzimidazolylcarbamate,
* Methyl N-(5-benzoyl-1H-benzimidazol-2-yl)carbamate,
* Methyl N-(5-benzoyl-2-benzimidazolyl)carbamate,
* N-(Benzoyl-5, benzimidazolyl)-2, carbamate de methyle [French],
* N-2 (5-Benzoyl-benzimidazole) carbamate de methyle [French], * NCGC00016806-01,
* NINDS_000751, * Noverme, * NSC 184849, * NSC184849, * Ovitelmin, * Pantelmin,
* Prestwick0_000217, * Prestwick1_000217, * Prestwick_310, * R 17, 635, * R 17,635,
* R 17635, * SMR000036734, * SPBio_001442, * SPBio_002154, * Spectrum2_001401,
* Spectrum3_001439, * Spectrum4_000416, * Spectrum_001298, * Sufil, * Telmin,
* TimTec1_000869, * Vermex, * Vermicidin, * Vermirax, * Vermox, * Vermox (TN),
* Verpanyl, * Versid, * ZINC00001648, * ZINC00121541,

Section 3: Hazards Identification

EMERGENCY OVERVIEW

- Harmful.
- Harmful if swallowed.
- Calif. Prop. 65 developmental hazard.

HMIS RATING
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

NFPA RATING
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

For additional information on toxicity, please refer to Section 11.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:

Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire Fighting Measures

AUTOIGNITION TEMP: N/A

FLAMMABILITY: N/A

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

FIREFIGHTING

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s): Emits toxic fumes under fire conditions.

Section 6: Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL: Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S): Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust.

Ventilate area and wash spill site after material pickup is complete.

Section 7: Handling and Storage

HANDLING: User Exposure: Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

STORAGE: Suitable: Preserve in well closed containers.

Section 8: Exposure Controls / Personal Protect

ENGINEERING CONTROLS: Safety shower and eye bath. Mechanical exhaust required.

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator.

Hand: Compatible chemical-resistant gloves.

Eye: Chemical safety goggles.

GENERAL HYGIENE MEASURES: Wash thoroughly after handling.

Section 9: Physical/Chemical Properties

Physical state and appearance	Physical State: Solid
Color	White or almost white
Molecular Weight	295.3 AMU
pH	N/A
BP/BP Range	N/A
MP/MP Range	
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A
Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Surface Tension	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Explosion Limits	N/A
Flammability	N/A
Autoignition Temp	N/A
Refractive Index	N/A
Optical Rotation	N/A
Miscellaneous Data	N/A
Solubility	N/A

N/A = not available

Section 10: Stability and Reactivity

Stability

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

Hazardous decomposition products

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

Hazardous polymerization

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: Harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Exposure can cause: Nausea, abdominal pain, diarrhea, itching, dizziness, and headache.

Toxicity to Animals:

Acute oral toxicity (LD50): 620 mg/kg [Mouse].

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD₅ and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Appropriate method of disposal of substance or preparation: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Regulatory Information

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xn

Indication of Danger: Harmful.

R: 22

Risk Statements: Harmful if swallowed.

S: 36

Safety Statements: Wear suitable protective clothing.

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Harmful.

Risk Statements: Harmful if swallowed.

Safety Statements: Wear suitable protective clothing.

US Statements: Calif. Prop. 65 developmental hazard.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No

UNITED STATES - STATE REGULATORY INFORMATION

CALIFORNIA PROP – 65

California Prop - 65: This product is or contains chemical(s) known to the state of California to cause developmental toxicity.

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: No

NDSL: No

Section 16: Other Information

Disclaimer:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. However, 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 Yabang-QH Pharmachem 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 Yabang-QH Pharmachem has been advised of the possibility of such damages.

