



**YICHANG HUMANWELL ORAL SOLID DOSAGE PLANT**  
**宜昌人福口服固体制剂厂**

**Safety Data Sheet**  
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**SECTION 1 – IDENTIFICATION**

Product name: Metoprolol Succinate Extended-release  
Tablets, 50mg, 100mg & 200mg.  
Manufacturer: Yichang Humanwell Oral Solid Dosage Plant  
519 Donglin Rd, Yichang, Hubei 443112 China  
Tel:86 717 7101199  
Emergency Contact Phone No.: 86 532 83889090

**SECTION 2 – HAZARD(S) IDENTIFICATION**

Physical hazards Not classified.  
Health hazards Category 2  
OSHA hazard(s) Not classified.  
Label elements



Signal word Warning  
Precautionary statement(s) IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Health Hazard: Atmospheric concentrations in excess of the occupational exposure limit may lead to headache, dizziness, nausea, vomiting and diarrhea. A lowering of blood pressure and change in heart rhythm may also occur.  
Environmental Hazard The substance is soluble in water. The substance has low potential for bioaccumulation.



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**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

<b>100mg&amp;200mg</b>			
Ingredients	CAS No.	%	Classification
Metoprolol Succinate	98418-47-4	20-40%	-
Microcrystalline Cellulose	9004-34-6	10-40%	-
Ethylcellulose	9004-57-3	1-20%	-
Polyethylene Glycol	25322-68-3	10-30%	-

**SECTION 4 – FIRST-AID MEASURES**

Skin contact:	Remove contaminated clothing. Wash skin with water. If symptoms (irritation or blistering) occur obtain medical attention.
Eye contact:	Draw the eyelid, and clean with water. Obtain medical attention.
Inhalation:	Escape from the site to areas with fresh air immediately to keep breath smoothly. If breathing is difficult give oxygen.
Ingestion	Wash out mouth with water and give 200-300ml of water to drink. Do not induce vomiting. Obtain medical attention if ill effects occur.

**SECTION 5 – FIRE-FIGHTING MEASURES**

Hazard burning emissions:	CO, CO <sub>2</sub> , and NO.
Extinguisher Media:	Water spray, foam, dry chemical or CO <sub>2</sub> .
Fire Fighting Protective Equipment	A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Emergency response:	Small spillages: Absorb with a wet disposable towel and collect in a plastic bag designed for pharmaceutical waste. Large spillages: Ensure
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suitable personal protection during removal of spillages. Ensure adequate ventilation. In case of accident, avoid breathing dust from crushed tablets. Transfer spilled tablets to a suitable container for disposal. Wash the spillage area with water.

### SECTION 7 – HANDLING AND STORAGE

Attentions: No special precautions are necessary when handling packed product. In case of accident, avoid breathing dust from crushed tablets. A void contact with skin and eyes. Follow procedures specified in the National Fire Protection Association Codes and Standards for handling combustible dusts. Store at controlled room temperature 20 °25 °C ( 68 °77 °F)

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limit	No data
Occupational Hygiene Air Monitoring	No data
Methods	
Engineering Controls	Seal well, and install local exhaust system, and equip with safety shower and eye washing facility.
Containment	No special engineering controls are required.
Ventilation	Local exhaust ventilation (LEV) is recommended.
Eye protection	Chemical tight goggles and full face shield.
Gloves	Impervious gloves.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: **50mg** : White film coated oval shape tablets, scored on one side and debossed with “Y” and “H”, debossed with “165” on the other side.  
**100mg** : White film coated oval shape tablets, scored on one side and debossed with “Y” and “H”, debossed with “163” on the other side.  
**200mg**: White oval shape tablets, scored on one side and debossed with “Y” and “H”, debossed with “161”on the other side .



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pH:	
Melting Point:	No study data
Flash point:	No study data
Burning temperature	No study data

#### SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable
Materials or Conditions to Avoid:	Strong acids. Strong bases. Strong oxidizing agents. Avoid direct sunlight, conditions that might generate heat and dispersion as a dust cloud.
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Materials or Conditions to Avoid:	Strong acids. Strong bases. Strong oxidizing agents. Avoid direct sunlight, conditions that might generate heat and dispersion as a dust cloud.

#### SECTION 11 – TOXICOLOGICAL INFORMATION

Oral Toxicity	Adverse effects might occur following ingestion
Inhalation Toxicity	Atmospheric concentrations in excess of the occupational exposure limit may lead to headache, dizziness, nausea, vomiting and diarrhea. A lowering of blood pressure and change in heart rhythm may also occur.
Skin Effects	By analogy with a similar substance this material is unlikely to be irritant.
Eye Effects	May cause eye irritation. May cause excessive watering of the eye.
Ingestion	Adverse effects similar to inhalation may occur.
Long term exposure	The following data relates to an analogous substance: Studies in animals have shown that repeated doses produce no significant effects.

#### SECTION 12 – ECOLOGICAL INFORMATION

Environmental Fate and Distribution	The substance is soluble in water. The substance has low potential for bioaccumulation.
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### SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal measures for waste	Burn and control the waste gas. Remove the NO materials with syringe.
Persistence and Degradation	May cause long-term adverse effects in the aquatic environment. Not readily biodegradable.
Toxicity	Harmful to aquatic organisms. EC50 (green algae) (72 hour) 47mg/l. EC50 (Daphnia magna) (48 hour) 90mg/l. LC50 (fish) 170mg/l.

### SECTION 14 – TRANSPORT INFORMATION

Storage Condition	Preserve in tight and light resistant containers.
Transportation	The SDS should be accompanied with each shipment, which could be the reference for emergency cases. Check the seals and the completeness of the packages before shipment, and ensure no spills, collapses, falling, or damages during transportation. Prevent from shipping with acid, oxidants, food or food additives. Protect from insolation, rain, and high temperature.

### SECTION 15 – REGULATORY INFORMATION

U.S. Regulatory Information: n/f.



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**SECTION 16 – OTHER INFORMATION**

Preparing Department:

The SDS was prepared by EHS Department of Yichang Humanwell Oral Solid Dosage Plant.

Disclaimer:

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