



NINGBO FINECHEM IND. CO., LTD.

## MATERIAL SAFETY DATA SHEET

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product name : Thiabendazole Technical

CAS No. : 148-79-8

#### 1.2 Details of the supplier of the safety data sheet

Company : NINGBO HUILI IMPORT& EXPORT CO., LTD.  
701-2 GOLDEN SHORE NO. 146 HUAISHU ROAD  
315020, NINGBO, CHINA

Telephone :008657487641888

Fax :008657487641880

E-mail address :[sinoagro@yahoo.com](mailto:sinoagro@yahoo.com)

### SECTION 2- HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

##### Classification according to EU Directives 67/548/EEC or 1999/45/EC

N Dangerous for the environment R50/53

#### 2.2 Label elements

##### Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word Warning

Hazard statement(s)

H401 Very toxic to aquatic life with long lasting effects.

Precautionary

statement(s)



P273	Avoid release to the environment.
P501	Dispose of contents/ container to an approved waste disposal plant.
Supplemental Statements	Hazard none

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### SECTION 3- COMPOSTION/INFORMATION ON INGREDIENTS

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#### 3.1 Substances

Ingredients	Percent %(w/w)
Thiabendazole	99
Other ingredient	1

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### SECTION 4- FIRST AID MEASURES

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#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11



4.3 Indication of any immediate medical attention and special treatment needed

No data available

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**SECTION 5- FIRE FIGHTING MEASURES**

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**5.1 Extinguishing media**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sulphur oxides

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

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**SECTION 6- ACCIDENTAL RELEASE MEASURES**

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**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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**SECTION 7- HANDLING AND STORAGE**

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**7.1 Precautions for safe handling**

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing in case of insufficient ventilation, wear suitable respiratory equipment if ingested, seek medical advice



immediately and show the container or the label. Avoid contact with skin and eyes.

## **7.2 Conditions for safe storage, including any incompatibilities**

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

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## **SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION**

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### **8.1 Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### **8.2 Personal Protection:**

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent Gloves.

### **8.3 Personal Protection in Case of a Large Spill**

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE Handling this product.

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## **SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES**

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### **9.1 Information on basic physical and chemical properties**

Appearance	Form: Solid. Color: White
Odor	odorless
Melting point	294°C
Specific Gravity	1.3668 g/mL (20°C)



Vapor density	Not available
Water/Oil Dist.Coeff.	2.36 of log P 25 °C
Solubility	Partially soluble in methanol, acetone. Very slightly soluble in diethyl ether. Insoluble in cold water.
Vapour pressure	$4.6 \times 10^{-4}$ mPa (20°C)

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## SECTION 10- STABILITY AND REACTIVITY

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### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - No data available

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## SECTION 11- TOXICOLOGICAL INFORMATION

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**Routes of Entry:** Dermal contact. Eye contact. Inhalation. Ingestion.

**Toxicity to Animals:** Acute oral toxicity (LD50): 1300 mg/kg [Mouse]

**Chronic Effects on Humans:** The substance is toxic to the nervous system, gastrointestinal tract.

**Other Toxic Effects on Humans:** Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.



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**Special Remarks on Chronic Effects on Humans:** Animal embryotoxic.

**Special Remarks on other Toxic Effects on Humans:** Not available.

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### SECTION 12- ECOLOGICAL INFORMATION

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**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:** Not available.

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### SECTION 13- DISPOSAL CONSIDERATIONS

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#### 13.1 Waste treatment methods

##### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

##### Contaminated packaging

Dispose of as unused product.

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### SECTION 14- TRANSPORTATION INFORMATION

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UN No.: 3077

Proper shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Thiabendazole)

Class: 9

Packaging group: III

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### SECTION 15- REGULATORY INFORMATION

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According to local authorities' requirements.



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**SECTION 16- OTHER INFORMATION**

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None

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