

# ZHEJIANG FUSHENG HOLDING GROUP CO., LTD.

## MATERIAL SAFETY DATA SHEET CERTIFICATE

### EC safety data sheet

Safety data sheet		
Trade name		
2-Amino-5,6-Dichlorobenzothiazole		
Product No.	Version 1	Status 20.08.97
Substance code:		Page : 1(5)
<b>1. Identification of the substance/preparation and company</b>		
Product details		
Trade name		
2-Amino-5,6-Dichlorobenzothiazole		
<b>Company Identification:</b>		
Zhejiang Fusheng Holding Group Co.,Ltd		
Ecological & Industrial Zone,Changshan,Zhejiang,China.324202		
<b>Emergency telephone number: 86-570-5288160</b>		
<b>2. Composition/information on ingredients</b>		
Chemical characterization:		
Formula:	C7H4CL2SN2	
M.W.:	219	
CAS No.:	24072-75-1	
<b>3. Hazards identification</b>		
<b>Eye:</b> May cause eye irritation.		
<b>Skin:</b> May cause skin irritation.		
<b>Ingestion:</b> May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated.		
<b>Inhalation:</b> May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. May cause burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.		
<b>Chronic:</b> No information found.		
<b>4. First aid measures</b>		
<b>Eyes:</b> Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.		
<b>Skin:</b> Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.		
<b>Ingestion:</b> Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Wash mouth out with water.		
<b>Inhalation:</b> Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.		

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#### 5. Fire-fighting measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Runoff from fire control or dilution water may cause pollution.

**Extinguishing Media:** Use foam, dry chemical, or carbon dioxide. Use agent most appropriate to extinguish fire.

**Flash Point:** Not available

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:**Not available.

**Upper:** Not available.

**NFPA Rating:** (estimated) Health: 1; Flammability: 0; Instability: 0

#### 6. Accidental release measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

#### 7. Handling and storage

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with eyes, skin, and clothing.

Keep container tightly closed. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

**Safety data sheet in accordance with 91/155/EEC**

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**8. Exposure controls/personal protection**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**9. Physical and chemical properties**

**Physical State:** White powder.

**Appearance:** Not available.

**Odor:** Not available.

**pH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:**Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Decomposition Temperature:**Not available.

**Solubility:** Not available.

**Specific Gravity/Density:**Not available.

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**10. Stability and reactivity**

**Chemical Stability:** Stable at room temperature in closed containers under normal storage and handling conditions.

**Conditions to Avoid:** Incompatible materials, dust generation, excess heat.

**Incompatibilities with Other Materials:** Acids, acid chlorides, acid anhydrides, oxidizing agents, carbon dioxide.

**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

**Hazardous Polymerization:** Has not been reported

#### 11. Toxicological information

**RTECS#:**

**LD50/LC50:**

Not available.

**Epidemiology:** No information available.

**Teratogenicity:** No information available.

**Reproductive Effects:** No information available.

**Neurotoxicity:** No information available.

**Mutagenicity:** No information available.

**Other Studies:** No data available.

#### 12. Ecological data

No information available.

#### 13. Disposal considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

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#### 14. Transport information

Road transport

ADR

Non-hazardous goods

RID

Non-hazardous goods

Inland waterways transport

ADNR

Non-hazardous goods

Marine transport

IMDG/UN Air transport	Non-hazardous goods
ICAO/LATA-DGR Dispatch by Post	Non-hazardous goods Permitted.
<b>15. Regulatory information</b>	
Labelling Hazard warning labelling not compulsory.	
<b>16. Other information</b>	
This information is based on our present state of knowledge. It should not therefore be Construed as guaranteeing specific properties of the products described their suitability For a particular application.	
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