



# Wuhan Bolachem New Material Co., LTD

## Chemical Product Safety Data Sheet

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product Name: Wetting Agent PT-110

CAS No.: 68227-33-8

Catalog Numbers: 043

Revision date: 2023.3.15

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For laboratory research purposes. Not for drug or household use.

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

Company name: Wuhan Bolachem New Material Co., LTD

Registered Address: B072, 2nd Floor, No. 4 Workshop, No. 02, Yintan Road, General Road Street, Dongxihu District, Wuhan City

Telephone: +86 27-85675876 | E-mail: info@bolachemical.com

### 2. HAZARDS IDENTIFICATION

#### 2.1 Main physical and chemical hazards

Causes mild skin irritation. May cause an allergic skin reaction.

Causes serious eye damage.

Harmful to aquatic life with long lasting effects.

#### 2.2 GHS hazard category

Label elements and pictograms:



**Precautionary Statements:** Avoid release to the environment. Wear protective gloves/ eye protection/ face protection.

**Hazard information:** Danger

**Warning words:** Causes serious eye damage. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.

**Routes of entry:** Ingestion, skin contact.

**Main symptoms of health hazards:** Causes mild skin irritation. May cause an allergic skin reaction. Causes serious eye damage

**Environmental hazards:** Harmful to aquatic life with long lasting effects., Harmful to aquatic life.

**Fire and explosion hazard:** None.

### 3. INGREDIENTS/COMPOSITION INFORMATION

Chemical Composition	Active substance content	CAS No.
Acetylene diols	≥99%	68227-33-8

### 4. FIRST AID MEASURES

**4.1 Skin Contact:** Take off contaminated clothing and wash thoroughly with soap and water for at least 15 minutes. If irritation occurs, seek medical attention immediately.

**4.2 Eye contact:** Immediately lift the eyelids and rinse thoroughly with plenty of running water or saline for at least 10 minutes, frequently lifting or retracting the eyelids while flushing. Seek medical attention.

**4.3 Inhalation:** Leave the scene quickly to fresh air. Keep your respiratory tract open, keep warm and rest, and seek medical advice.

**4.4 Ingestion:** Drink plenty of warm water and seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**5.1 Hazardous Characteristics:** like most organic substances, it may burn when the temperature is too high or when it comes into contact with burning materials.

**5.2 Hazardous combustion products:** harmful gases, smoke, etc.

**5.3 Fire extinguishing methods and fire extinguishing media:** water spray, solvent-resistant foam, dry powder fire extinguishing media.

**5.4 Precautions for fire fighting:** wear air respirator in case of large-scale fire.

## 6. ACCIDENTAL LEAKAGE MEASURES

**6.1 Disposal procedures:** Wear personal protective equipment, cut off the source of leakage as much as possible, and prevent entry into restricted spaces such as sewers and flood ditches. Small amounts: absorb with absorbent material (e.g. sand, sawdust, general adhesive). Dispose of absorbent materials according to regulations. Bulk: Pull out product. Any residue needs to be recycled or transported to a waste disposal site for disposal.

## 7. HANDLING AND STORAGE

**7.1 Safe handling advice:** Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.

**7.2 Storage precautions:** Store in a cool, ventilated warehouse. Keep away from fire and heat sources. Protect from direct sunlight. Keep container tightly sealed. When handling, load and unload with care to prevent damage to packaging and containers.

**7.3 Hygiene measures:** Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately. Use skin protective preparation as preventive skin protection.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Maximum allowable concentration:** No data available.

**8.2 Monitoring methods:** No data available.

**8.3 Engineering controls:** Close operation and pay attention to ventilation. Mechanize and automate as much as possible. Safety showers and eyewash facilities are provided.

**8.4 Respiratory system protection:** Generally no special protection is required. During emergency rescue or evacuation, it is recommended to wear air respirators.

**8.5 Eye protection:** Tightly fitting safety goggles

**8.6 Skin and body protection:** Choose body protection according to the situation and wear chemical protective clothing.

**8.7 Hand protection:** Wear chemical protective gloves.

**8.8 Other protection:** Smoking, eating and drinking are prohibited at the work site. After work, take a shower. Store clothes contaminated with poisons separately and wash them for later use. Maintain good hygiene habits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and properties: White waxy solid

Freezing point (°C): No data available

Melting Point: 54 - 55 °C

Relative density (water =1):0.93 g/cm<sup>3</sup> (25 ° C)

Boiling point (°C): 269 °C (1,013 hPa)

Relative vapor density (air=1): No data available

Viscosity, dynamic (mPa.s, 23°C): No data available

Saturated vapor pressure (hPa, 20°C): No data available

Log value of octanol/water partition coefficient: No data available

Flash point (°C): 101°C

Explosion upper limit % (V/V): Undetermined

Ignition temperature (°C): No data available

Lower explosion limit % (V/V): Undetermined

Spontaneous ignition temperature (°C): No data available

Decomposition temperature (°C): No data available

Flammability: Not measured

Solubility: No data available

## 10. STABILITY AND REACTIVITY

**10.1 Stability:** This product is stable if stored and handled as specified/directed.

**10.2 Incompatible materials:** atmospheric moisture, caustic alkali, halogens, alkalis, acids, reactive chemicals. Conditions to avoid: High heat.

**10.3 Aggregation Hazards:** No Aggregation

**10.4 Decomposition Products:** Hazardous decomposition products are not expected to occur if stored and used in accordance with regulations/directions.

## 11. TOXICOLOGICAL INFORMATION

**Oral:** LD 50(Rat, Male): > 5,000 mg/kg

**Skin irritation or corrosion:** Not irritating OECD 404(Rabbit, 4 h): Not irritating; The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Eye irritation or corrosion:** Risk of serious damage to eyes. Rabbit: Risk of serious damage to eyes. The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Aspiration hazard:** No aspiration hazard expected.

**Germ cell mutagenicity:** no data available

**Carcinogenicity:** No data available

**Reproductive toxicity:** No data available

**Specific target organ systemic toxicity**

—**Single contact:** no data available

—**Repeated Contact:** No data available

## 12. ECOLOGICAL INFORMATION

**12.1 Ecotoxicity:** No data available

**12.2 Persistence and degradability:** No data available

**12.3 Bioaccumulative potential:** No data available

**12.4 Mobility in soil:** No data available

## 13. DISPOSAL

**13.1 Nature of waste:** Industrial waste.

**13.2 Disposal Methods:** Dispose of waste in an approved incinerator or waste treatment/disposal site in accordance with all applicable regulations. Do not dispose of waste in local sewers or general garbage. Empty drums should be recovered, recycled or disposed of through a qualified or licensed contractor. Comply with local regulations.

**13.3 Disposal precautions:** General labor protection measures are sufficient, and discharge into drinking water systems is strictly prohibited.

## 14. TRANSPORT INFORMATION

### Road Regulation (ADR/RID)

It is not classed as hazardous chemicals in ADR/RID Regulations.

### Air Transportation (IATA /ICAO)

It is not classed as hazardous material or dangerous goods for transportations under IATA/ICAO Regulations.

### Marine Transportation (IMO/IMDG)

It is not regulated as hazardous material or dangerous goods for transportation under IMO/IMDG Regulation.

**Transportation precautions:** The packaging must be complete and the loading must be secure at the time of shipment. During transportation, make sure that the container does not leak, collapse, fall, or be damaged. During transportation, the transport vehicle should be equipped with leakage emergency treatment equipment. During transportation, they should be protected from exposure to the sun, rain, and high temperatures. When transporting by road, follow the prescribed route and do not stay in residential areas or densely populated areas.

## 15. REGULATORY INFORMATION

### 15.1 Regulatory information:

"Regulations on the Safety Management of Hazardous Chemicals"

"Classification and Labeling of Commonly Used Hazardous Chemicals"

"Regulations on the Safe Use of Chemicals in the Workplace"

## 16. OTHER INFORMATION

**Department to fill in the form:** Technical Department of Wuhan Bolachem New Materials Co., Ltd.

**Data review unit:** 2023.3.15

**Modification instructions:** This table is compiled for the first time