



Wuhan Bolachem New Material Co., LTD

Safety Data Sheet

Version: v1

Revision Date: 2024-01-19

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product Name: PT-AL1203

CAS No.: 9041-33-2

Catalog Numbers: 012

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

Wuhan Bolachem New Material Co., LTD

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

(Oral) Acute toxicity

Serious eye damage/eye irritation

Harmful to the aquatic environment - acute

2.2 GHS hazard category

Label elements and pictograms:

Precautionary Statements: Wear eye and face safety protection to avoid release into the environment.

Hazard information: Danger

Warning words: Causes serious eye damage. Toxic to aquatic life.

Routes of entry: Ingestion, skin contact.

Main symptoms of health hazards: Flammable. Ingestion may damage gastrointestinal function. Skin contact may be harmful to health. Eye contact may cause serious vision damage. It is toxic to aquatic life and has persistent adverse effects on the aquatic environment.

Environmental hazards: This substance may be harmful to the environment. Special attention should be paid to the pollution of water bodies and soil. Dispose of contents/containers to hazardous or special waste collection points.

Fire and explosion hazard: None.

3. INGREDIENTS/COMPOSITION INFORMATION

Substance/mixture	Active substance content	CAS No.
Poly(ethylene oxide, propylene oxide) monoallyl ether	≥99.5%	9041-33-2

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 Precautions for operation and handling: Operators must wear rubber acid and alkali resistant gloves. When handling, load and unload with care to prevent damage to packaging and containers. Care should be taken to empty the container of any residue.

7.2 Storage precautions: Store in a cool, ventilated warehouse with a storage temperature not higher than 70°C. 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Maximum allowable concentration: China has not established standards.

8.2 Monitoring methods:

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: Wear 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: colorless liquid or white paste

PH value: 5.0~7.0

Freezing point (°C): No data available

Relative density (water =1): No data available

Boiling point (°C): No data available

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): No data available

Explosion upper limit % (V/V): Undetermined

Ignition temperature (°C): No data available

Lower explosion limit % (V/V): Undetermined

Spontaneous ignition temperature (°C): Undetermined

Decomposition temperature (°C): No data available

Flammability: Not flammable

Solubility: Soluble in water and ethanol.

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: LD50>500mg/kg (based on mortality data at 200mg/kg (0/6) and 2000mg/kg (2/3).)

Skin irritation or corrosion: Irritation (rabbits), OECD Guideline 404.

Eye irritation or corrosion: Hazard of serious eye damage (rabbits), OECD Guideline 405.

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:

Aquatic invertebrates EC50 (48h)>1-10mg/l

Aquatic plants EC50 (72h)>10-100mg/l

12.2 Persistence and degradability: effective bismuth content $\geq 90\%$
>60% released as CO₂

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

Dangerous Goods Number: Not classified as dangerous goods under transport regulations.

UN number:

Packaging mark:

Packaging category:

Packaging method: Put into special containers.

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:

Modification instructions: This table is compiled for the first time