

# AMMONIA ELECTRODE FILLING SOLUTION

Safety Data Sheet

According to rules and regulations of the Global Harmonized System Revision Date: Jan-01-2023

**SECTION 1**. Identification

instruments

Product name: Electrode filling solution

Product use: Filling solution for ammonia electrode

Supplier: Bante Instruments

Address: F3, Building 2, No.2185, Laifang Rd., Shanghai, China

Emergency phone: +86 138 1643 6579

**SECTION 2**. Hazards Identification

NFPA rating:

OSHA hazards: Acute aquatic toxicity (category 3), H402 - Harmful to aquatic life.

Chronic aquatic toxicity (category 3), H412 - Harmful to aquatic life with long lasting effects.

HMIS classification: Health hazard: C

Flammability: 0 Physical hazard: 0 Health hazard: 0

Fire: 0 Reactivity hazard: 0

Potential health effects: Inhalation: No effects anticipated.

Skin: No effects anticipated. Eyes: No effects anticipated. Ingestion: No effects anticipated.

**SECTION 3**. Composition / Information on Ingredients

Component CAS Number %

 Water
 7732-18-5
 99.5

 Ammonium chloride
 12125-02-9
 0.5

**SECTION 4**. First Aid Measures

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Obtain medical attention if pain or redness persist.

Skin contact: Wash off with soap and plenty of water.

Inhalation: Remove to fresh air. Obtain medical attention immediately if breathing difficulty.

Ingestion: Wash out mouth with plenty of water. Obtain medical attention immediately if feeling unwell.

**SECTION 5**. Firefighting Measures

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Special hazards arising from the substance or mixture: None.

Fire hazard: Not flammable.

Explosion hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for firefighters: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6. Accidental Release Measures

Personal precautions: Avoid breathing vapours, mist or gas. Ensure adequate centilation.

Environmental precautions: Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

**SECTION 7**. Handling and Storage

Handling: Avoid contact with eyes. Avoid inhalation of vapour or mist. Wash hands and all exposed areas with soap and water

before eating and drinking.

Storage: Keep out of reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect against

physical damage.

#### **SECTION 8**. Exposure Controls and Personal Protection

Control parameters: Not applicable.

Exposure controls: Respiratory protection: Not required in normal conditions.

Hand protection: Handle with gloves. Wash and dry hands after handling.

Eye protection: Avoid contact with eyes. Skin and body protection: Impervious clothing. Hygiene measures: General industrial hygiene practice.

## **SECTION 9**. Physical and Chemical Properties

 Physical state: Liquid
 Boiling point: > 100°C (212°F)
 Relative density: 1 g/cm³

 Appearance: Colorless
 Flash point: No data available
 Specific gravity: No data available

 Odor: Odorless
 Evaporation rate: No data available
 Solubility: Soluble in water

Odor threshold: No data available Flammability: Non flammable Autoignition temperature: No data available pH: 4 to 6 Decomposition Temperature: No data available Decomposition Temperature: No data available

Freezing point:  $< 0^{\circ}\text{C} (32^{\circ}\text{F})$  Vapor density: No data available Viscosity: No data available

## SECTION 10. Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Reactivity hazard: No data available.

Conditions to avoid: Excess heat and direct sunlight.

Materials to avoid: Strong acids, strong bases, strong oxidizing agents.

Hazardous decomposition products:

None reasonably foreseeable.

#### **SECTION 11**. Toxicological Information

Acute toxicity: No data available. Skin corrosion/irritation: No data available. No data available. Serious eye damage/irritation: Respiratory or skin sensitization: No data available. Germ cell mutagenicity: No data available. No data available. Carcinogenicity: Reproductive toxicity: No data available. Potential Adverse human health effects and symptoms: No data available.

## **SECTION 12**. Ecological Information

Toxicity:

Persistence & degradability:

Bioaccumulative potential:

Mobility in soil:

Other adverse effects:

No data available.

No data available.

No data available.

Harmful to aquatic life.

#### **SECTION 13**. Disposal Considerations

Dispose of in accordance with local/national regulations.

### **SECTION 14**. Transport Information

Land transport: Not dangerous goods.
Air transport: Not dangerous goods.
Sea transport: Not dangerous goods.
Not dangerous goods.

# **SECTION 15**. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

National regulations:

This safety datasheet complies with the requirements of Regulation According to Regulation (EC) No.1272/2008 and Globally Harmonised System.

Information about limitation of use: Not required.

Chemical safety assessment: For this mixture a chemical safety assessment is not required.

# **SECTION 16**. Other Information

Disclaimer: The information contained herein is accurate to the best of our knowledge, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Bante Instruments makes no warranty of any kind, expressed, or implied, concerning the safe use of this material in your process or in combination with other substances. Bante Instruments shall not be held liable for any damage resulting from handling or from contact with the above product.