# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

| | |
|---|---|
| **Product Name** | Phospho-AKT1-S124 Rabbit mAb |
| **Product Number** | AP0982 |
| **Pure substance/mixture** | Mixture |

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

| | |
|---|---|
| **Recommended use** | For research use only. Not for use in diagnostic procedures |
| **Uses advised against** | No information available |

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

| | |
|---|---|
| **Manufacturer** | Wuhan ABclonal Biotechnology Co., Ltd.<br>Building 4/5, Wuhan Precision Medicine Industry Base, No. 9, Gaokeyuan 3rd Road, East Lake New-Tech Development Zone, Wuhan, Hubei Province, 430206, P.R. C |
| **Tel** | 400-999-6126 |
| **E-mail address** | technical@abclonal.com<br>cn.market@abclonal.com |

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

### 2.2 Label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

### 2.3 Physical and chemical hazards

Referring to current information, no physical or chemical hazard.

### 2.4 Health hazards

Referring to current information, no health hazard.

**2.5 Environmental hazards**

Referring to current information, no environmental hazard.

**2.6 Other hazards**

None

## SECTION 3: Composition/information on ingredients

**3.1 Substance / Mixture**

Mixture

**3.2 Mixtures**

The product contains no substanceswhich at their given concentration, are considered to be hazardous to health

| Chemical name | Weight-% | CAS No |
|---|---|---|
| Sodium Azide | ≤0.09% | 26628-22-8 |

## SECTION 4: First aid measures

**4.1 Description of first aid measures**

| | |
|---|---|
| **Inhalation** | Remove to fresh air |
| **Eye contact** | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.<br>Consult a doctor |
| **Skin contact** | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor |
| **Ingestion** | Rinse mouth. Consult doctor if feeling unwell. |

**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)

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

**4.4 Notes to physician**

No information available

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

| | |
|---|---|
| **Suitable Extinguishing Media** | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment |
| **Large Fire** | CAUTION: Use of water spray when fighting fire may be inefficient |
| **Unsuitable extinguishing media** | Do not scatter spilled material with high pressure water streams |

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

No information available

### 5.3 Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## SECTION 6: Accidental release measures

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

Personal precautions: Ensure adequate ventilation
For emergency responders: Use personal protection recommended in Section 8

### 6.2 Environmental precautions

No special precautionary measures necessary

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

Methods for containment: Prevent further leakage or spillage if safe to do so
Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal
Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations

### 6.4 Reference to other sections

See section 8 for more information. See section 13 for more information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product

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

Storage conditions: Tightly closed.
Storage stability: Store according to the requirements in the product manual.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

**Exposure Limits**

| Chemical name | Ceiling |
|---|---|
| Sodium Azide (26628-22-8) | 0.3 mg/ m3 MAC<br>0.29 mg/ m3 TLV-C |

**8.2 Exposure controls**

**Engineering controls:** No information available

**Personal protective equipment**

**Eye/face protection:** Eye protection must conform to standard EN 166

**Hand protection**: Protective gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

**Skin and body protection**: Wear suitable protective clothing

**Respiratory protection:** No protective equipment is needed under normal use conditions. If exposure limits are likely to be exceeded or if irritation or other symptoms are experienced, NIOSH/MSHA or EN 136 approved respiratory protection should be worn.

**General hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls:** No information available

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Liquid |
| **Appearance** | aqueous solution |
| **Colour** | clear |
| **Odour** | No information available. |
| **Odour threshold** | No information available |

| Property | Values | Remarks • Method |
|---|---|---|
| **Melting point / freezing point** | No data available | None known |
| **Boiling point / boiling range** | No data available | None known |
| **Flammability (solid, gas)** | No data available | None known |
| **Flammability Limit in Air** | No data available | None known |
| **Upper flammability or explosive limits** | No data available | None known |
| **Lower flammability or explosive limits** | No data available | None known |
| **Flash point** | No data available | None known |

| | | |
|---|---|---|
| **Autoignition temperature** | No data available | None known |
| **Decomposition temperature** | No data available | None known |
| **pH (as aqueous solution)** | No data available | None known |
| **Kinematic viscosity** | No data available | None known |
| **Dynamic viscosity** | No data available | None known |
| **Water solubility** | No data available | None known |
| **Solubility(ies)** | No data available | None known |
| **Partition coefficient** | No data available | None known |
| **Vapour pressure** | No data available | None known |
| **Relative density** | No data available | None known |
| **Bulk density** | No data available | None known |
| **Liquid Density** | No data available | None known |
| **Vapour density** | No data available | None known |
| **Explosive properties** | No data available | None known |
| **Oxidising properties** | No data available | None known |

**9.2 Other information**

No information available

## SECTION 10: Stability and reactivity

**10.1 Reactivity**

No information available

**10.2 Chemical stability**

Stable under normal conditions

**10.3. Possibility of hazardous reactions**

Possibility of hazardous reactions None under normal processing.

**10.4. Conditions to avoid**

Conditions to avoid None known based on information supplied.

**10.5. Incompatible materials**

Incompatible materials None known based on information supplied.

**10.6. Hazardous decomposition products**

Hazardous decomposition products None known based on information supplied.

## SECTION 11: Toxicological information

**11.1 Toxicological information**

**Product Information**

| | |
|---|---|
| **Inhalation** | Specific test data for the substance or mixture is not available. |
| **Eye contact** | Specific test data for the substance or mixture is not available. |
| **Skin contact** | Specific test data for the substance or mixture is not available. |
| **Ingestion** | Specific test data for the substance or mixture is not available. |

**Symptoms related to the physical, chemical and toxicological characteristics**

Symptoms No information available.

**Acute toxicity**

**Numerical measures of toxicity**

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 |
|---|---|---|
| Sodium Azide | =27mg/kg ( Rat )<br>=10mg/kg (Rabbit) | = 20 mg/kg ( Rabbit ) |

**Oral**: No data available

**Inhalation**: No data available

**Dermal**: No data available

**Skin corrosion/irritation**: No data available

**Serious eye damage/eye irritation**: No data available

**Respiratory or skin sensitization**: No data available

**Germ cell mutagenicity**: No data available

**Carcinogenicity**: No data available

**Reproductive toxicity**: No data available

**Specific target organ toxicity - single exposure**: No data available

**Specific target organ toxicity - repeated exposure**: No data available

**Aspiration hazard**: No data available

## SECTION 12: Ecological information

**12.1 Toxicity**

**Ecotoxicity:** Unknown aquatic toxicity

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| Sodium azide | - | LC50: =0.8mg/L (96h, Oncorhynchus mykiss) LC50: =0.7mg/L (96h, Lepomis macrochirus) LC50: =5.46mg/L (96h, Pimephales promelas) | - | - |

**12.2 Persistence and degradability**

Persistence and degradability No information available.

**12.3 Bioaccumulative potential**

Bioaccumulation There is no data for this product.

**12.4 Mobility in soil**

Mobility in soil No information available.

**12.5 Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging**

Do not reuse empty containers

## SECTION 14: Transport information

**IATA:** Not regulated

**IMDG:** Not regulated

ADR/RID: Not regulated

## SECTION 15: Regulatory information

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

**National regulatory information**

**Other regulations**

Please pay attention on the waste treatment should also comply with local regulations requirement.

## SECTION 16: Other information

Version 2

Revision Date 20260804

Print Date 20260804

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in ombination with any other materials or in any process, unless specified in the text.