



# SAFETY DATA SHEET

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

### **1.1 Product identifiers**

|                               |                                   |
|-------------------------------|-----------------------------------|
| <b>Product Name</b>           | Cytokeratin 18 (KRT18) Rabbit mAb |
| <b>Product Number</b>         | A19778                            |
| <b>Pure substance/mixture</b> | Mixture                           |

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

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| <b>Recommended use</b>      | For research use only. Not for use in diagnostic procedures |
| <b>Uses advised against</b> | No information available                                    |

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

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

## **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 substances which 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

|                                       |                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b>   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment |
| <b>Large Fire</b>                     | CAUTION: Use of water spray when fighting fire may be inefficient                                      |
| <b>Unsuitable extinguishing media</b> | 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       |

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

|                     |                                                                   |
|---------------------|-------------------------------------------------------------------|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available. |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available. |
| <b>Skin contact</b> | Specific test data for the substance or mixture is not available. |
| <b>Ingestion</b>    | 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)<br>LC50: =0.7mg/L (96h, Lepomis macrochirus)<br>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**

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### **Disclaimer**

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