# SAFETY DATA SHEET

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

### 1.1 Product identifiers

| | |
|---|---|
| **Product Name** | DNA topoisomerase II alpha (TOP2A) Rabbit pAb |
| **Product Number** | A16440 |
| **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

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**Disclaimer**

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