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 mAb
Product Number	A4389
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. 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 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. 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 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) =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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