

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product Name: Anti-KI-67/MIB1 mouse monoclonal antibody clone Ki-67P
Catalog Number: DIA-670-P1

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

Identified uses: Laboratory Reagent, for in vitro diagnostic use in Europe (CE IVD),
all other countries for in vitro research use only (RUO)

Uses advised against: Not for therapeutic use.

1.3 Details of the supplier of the safety data sheet

Supplier: BIOZOL Diagnostica Vertrieb GmbH
Leipziger Straße 4
85386 Eching
Phone +49 (89) 3799 666 6
Fax +49 (89) 3799 666 99
E-mail info@biozol.de

1.4 Emergency telephone number

Emergency telephone: Biozol +49 (89) 3799 666 6 (workday 8:30-17:00 CEST) / Poison Info Munich +49 (89) 19240

2 Hazards identification

2.1 Classification of the substance or mixture

Sodium azide is not present in an amount that qualifies the products as hazardous according to Regulation (EC) No. 1272/2008 [CLP].

2.2 Label elements

Pictogram: none

Signal word: none

Hazard Statement: none

Precautionary statement: none

Supplemental hazard statements: none



2.3 Other hazards

none

3 Composition/information on ingredients

3.1 Substances

See Section 3.2

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3.2 Mixture

While no hazardous ingredient is present in an amount that requires labeling. The contents of ingredients that are hazardous in their raw form are listed below:

Component of the mixture	Identifier	Classification According to regulation (EC) No.1272/2008 [CLP] (pure ingredient)	%
Sodium azide	26628-22-8 (CAS) 247-852-1 (EC)	Tx; R28, R38 N; R50/53	Less than 0.1% (w/v)
Other components: Antibody or Antibody-conjugate in buffered saline; no hazardous component above 1% or carcinogens above 0,1% Storage Buffer: Phosphate buffered saline (PBS) 1x, pH 7.4 Stabilizer: Bovine serum albumin (BSA), 2%			

4 First aid measures

4.1 Description of first aid measures

First-aid measures, general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

If inhaled

When symptoms occur go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

In case of skin contact

Remove contaminated clothing. Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution. Obtain medical attention if irritation develops or persists.

If swallowed



Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

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5 Firefighting measures

5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Product is not flammable; product is not explosive.

5.3 Advice for firefighters

Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection.

5.4 Further information

No data available.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate personal protective equipment.

6.2 Environmental precautions

Use inert absorbent material. Prevent entry to sewers.

6.3 Methods and materials for containment and cleaning up

Use inert absorbent material. Contain spills with appropriate barriers.

6.4 Reference to other sections

Refer to section 13 for disposal, refer to section 8 for exposure control, refer to section 7 for safe handling.

7 Handling and storage

7.1 Precautions for safe handling

Wash hands and other exposed areas with soap and water before eating, drinking or smoking and when leaving work. Avoid any contact with eyes, skin, and clothing. Avoid breathing vapors, mist or spray. Handle in accordance with good laboratory praxis and safety procedures.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.
Recommended storage temperature is: 2-8°C.

7.3 Specific end use(s)

Refer to section 1.2

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8 Exposure controls / personal protection

8.1 Control parameters

Components with workplace parameters

No data available.

8.2 Exposure controls

Appropriate engineering controls

Use general industrial hygiene practice. Ensure adequate ventilation, especially in confined areas. Ensure observance of all national regulations.

Personal protective equipment



Wear gloves, protective clothing and protective goggles.

Eye/face protection

Chemical safety goggles.

Skin protection

Wear suitable protective clothing made of chemically resistant materials and fabrics.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Lyophilized

Color: clear

Odor: Odorless, as water.

Odor threshold: No data available.

pH: 7.4 (after rehydration 1000µl H₂O)

Evaporation rate: No data available.

Melting point: No data available.

Freezing point: No data available.

Boiling point: No data available.

Flash point: No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Flammability (solid, gas): No data available.

Vapor pressure: No data available.

Relative vapor density at 20 °C: No data available.

Relative density: No data available.

Solubility: Water

Partition coefficient: n-octanol/water: No data available.

Viscosity : No data available.



Explosive properties: No data available.

Oxidizing properties: No data available.

Explosive limits: No data available.

9.2 Other information

No additional information available

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10 Stability and reactivity

10.1 Reactivity

No hazardous reaction will occur under normal conditions.

10.2 Chemical stability

Chemically stable under recommended conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

11 Toxicological information

11.1 Information on toxicological effects

Though complete toxicity information is not available, none of the constituting components are known to be toxic or hazardous at used concentrations. No component of this product contains levels greater than or equal to 0.1% which is identified as a known or anticipated carcinogen by IARC, NTP or OSHA.

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.

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Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

Not available.

12 Ecological information

12.1 Toxicity

Though complete toxicity information is not available, none of the constituting components are known to be toxic or hazardous at used concentrations. No component of this product contains levels greater than or equal to 0.1% which is identified as a known or anticipated carcinogen by IARC, NTP or OSHA.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

No data available.

13 Disposal considerations

13.1 Waste treatment methods

Dispose of in accordance with local and national regulations.

14 Transport information

ADR / IATA / DOT / IMDG

14.1 UN number



ADR: Non-regulated for transport.

ADN: Non-regulated for transport.

IMDG: Non-regulated for transport.

RID: Non-regulated for transport.

IATA: Non-regulated for transport.

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14.2 UN proper shipping name

ADR: Non-regulated for transport.

ADN: Non-regulated for transport.

IMDG: Non-regulated for transport.

RID: Non-regulated for transport.

IATA: Non-regulated for transport.

14.3 Transport hazard class(es)

ADR: Non-hazardous for transport.

ADN: Non-hazardous for transport.

IMDG: Non-hazardous for transport.

RID: Non-hazardous for transport.

IATA: Non-hazardous for transport.

14.4 Packing group

ADR: Non- regulated for transport.

ADN: Non- regulated for transport.

IMDG: Non- regulated for transport.

RID: Non- regulated for transport.

IATA: Non- regulated for transport.

14.5 Environmental hazard

ADR: Not dangerous for the environment.

IATA: Not dangerous for the environment.

IMDG: Not dangerous for the environment / No Marine Pollutant.

ADN: Not dangerous for the environment.

RID: Not dangerous for the environment.

14.6 Special precautions for user

No data available.

15 Regulatory Information

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. [CLP].

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.



16 Other information

Revision Date 2021-10-01

The information and data in this document have been obtained from regulatory websites, manufacturers of components used in the manufacture of this product, chemical databases or other appropriate sources and are based on our current knowledge. The information contained in this Safety Data Sheet is believed to be accurate, but it is the responsibility of the user to determine the applicability of this data to necessary safety precautions. BIOZOL shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Safety Data Sheet.

Required data according to regulation (EC) No. 1907/2006 (REACH) with its amendment regulation (EU) 2015/830.

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Abbreviations

CAS No. - Chemical Abstracts Service Number
CLP – Classification, Labeling and Packaging Regulation (EC) No 1272/2008
EC – European Community
EC50 - Median Effective Concentration
EEC – European Economic Community
EINECS – European Inventory of Existing Commercial Chemical Substances
EU – European Union
GHS – Globally Harmonized System of Classification and Labeling of chemicals
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods

LC50 - Median Lethal Concentration
LD50 - Median Lethal Dose
LOAEL - Lowest Observed Adverse Effect Level
LOEC - Lowest-Observed-Effect Concentration
MAK – Maximum Workplace Concentration/Maximum Permissible Concentration
PBT - Persistent, Bioaccumulative and Toxic
pH – Potential Hydrogen
REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals
RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail
SDS - Safety Data Sheet
vPvB - Very Persistent and Very Bioaccumulative

-- End of Safety Data Sheet --

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