

Safety Data Sheet

Kit summary

Regarding components comprised in the vial, the following product is defined as hazardous chemical according to the Regulation (EC) N° 1272/2008.

| Component | EC-No | CAS-No | % weight | Classification (pure ingredient) | Hazard Statements |
|-----------------------------|-----------|------------|-----------|----------------------------------|--|
| Sodium Azide NaN_3 | 247-852-1 | 26628-22-8 | 0.09-0.1% | GHS06 GHS09 | H300 Cat 2 H310 Cat 1 H410 Cat 1 EUH032 |

Section 1 – Identification

Product Identification: **Monoclonal Antibody Biotin conjugated**

Product Code: **Cat- n° 852.xxx.xxx / 853.xxx.xxx / 854.xxx.xxx / 857.xxx.xxx/879.xxx.002**

Product Application: **For Research Use Only**

Manufacturer:

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Section 2 – Hazard Identification

2.1 Classification

This product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: Void

Hazard pictograms: Void

Signal word: Void

Hazard statements: Void

Section 3 –Composition / Information on Ingredients

| Component | Contains | Identification | Classification (pure ingredient) | Hazard Statements | % |
|---------------------|----------------------------------|---|----------------------------------|---|---------------|
| Monoclonal Antibody | Sodium Azide NaN ₃ | CAS : 26628-22-8 EC : 247-852-1 REACH : 01-2119457019-37-0000 | GHS06 GHS09 | H300 Cat 2 H310 Cat 1 H410 Cat 1 EUH 032 | 0.09- 0.1% |

BSA Bovine Serum Albumin from a certified BSE (Bovine Spongiform Encephalopathy)-free source is comprised in the kit.

Section 4 - First Aid Measures

General information: Consult a doctor if necessary and provide this SDS.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Rinse with water and soap but generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After ingestion: If symptoms persist consult doctor. Do NOT induce vomiting.

Most important symptoms or effects: No available data.

Section 5 – Fire Fighting Measures

Suitable extinguishing agents: CO₂, or powder. Fight larger fires with water spray or alcohol resistant foam.

Specific hazards due to combustion products: Do not breathe fumes.

Protective equipment: No special measures required.

Section 6 – Accidental Release Measures

Person-related safety precautions: Wear appropriate PPE.

Measures for environmental protections: Do not allow to enter sewers / surface or ground water.

Measures for cleaning / collecting: Dilute with plenty of water and absorb with wipe dry.

Section 7 – Handling and storage

7.1 Handling

Information for safe handling: Avoid breathing dust, vapour, mist or gas. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Use with adequate ventilation.

Follow standard laboratories practices.

Information about fire - and explosion protection: The product listed in this SDS contains sodium azide, a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, concentration build-ups of sodium azide may react with lead and copper plumbing to form highly explosive metal oxides. Flush with large volumes of water to prevent azide build-up in plumbing.

7.2 Storage

Requirement to be met by storerooms and receptacles: Store in a cool, dry, well ventilated area away from incompatible substances. Keep away from metal.

Storage class: Store product and all components at 2-8°C.

Section 8 – Exposure Controls / Personal Protection

8.1 Control of exposition

The product does not contain any relevant quantities of material with critical values that have to be monitored at the workplace.

8.2 Personal protective equipment

General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands: Protective gloves.

Eye Protection: Goggles recommended during refilling.

8.3 Environmental exposure controls

Not available.

Section 9 - Physical and Chemical Properties

Form: Liquid

Colour: Colourless

Odour: Odourless

pH: N/A

Melting point/Melting range: N/A

Boiling point/Boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Autoignition temperature: N/A

Danger of explosion: Product does not present an explosion hazard

Density: N/A

Viscosity: N/A

Solubility in / Miscibility with water: Fully miscible

Section 10 - Stability and Reactivity

10.1 Reactivity

No available data

10.2 Chemical stability

Thermal decomposition: No decomposition if used according to specifications.

10.3 Others

Hazardous reactions: Toxic fumes when contact with acid.

Incompatibilities: acid, metal, acid chloride.

Hazardous decomposition products: None known.

Section 11 - Toxicological Information

Route of entry: Skin Contact, Eye Contact, Inhalation, Ingestion.

Effects of acute exposure to Product: May be harmful if inhaled, swallowed or absorbed through the skin.

Effects of chronic exposure to Product: No sensitizing effects known.

Exposure Limits: Not available

Irritancy: Not available

Sensitization to Product: Not available

Carcinogenicity: IARC: No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Teratogenicity: Not available

Reproductive Toxicity: Not available

Mutagenicity: Not available

Synergistic Products: Not available

Section 12 – Ecological Information

Toxicity: Hazardous for aquatic life

Persistence and degradability: Not available

Bio accumulative potential: Not available

Mobility in soil: Not available

Results of PBT and vPvB: Not available

Others harmful effects: Hazardous for water

Section 13 – Disposal Considerations

Waste disposal: dispose of in accordance with local official environmental regulations.

Section 14 – Transport Information

Special shipping information: Does not need to be shipped as hazardous.

Section 15 – Regulatory Information

Labelling in accordance with EC directives

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EC Directives.

Section 16 – Other Information

This information is prepared on our present and best knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Full text of any Hazard statements under Section 3:

H300: Fatal if swallowed

H310: Fatal in contact with skin

H410: Very toxic to aquatic life with long lasting effects

EUH032: Contact with acids liberates very toxic gas

Abbreviations:

CAS: Chemical Abstracts Service

CLP: Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures

IARC: International Agency for Research on Cancer

PBT: Persistent, Bio accumulative, Toxic

vPvB: very Persistent, very Bio accumulative.

REACH: Registration, Evaluation, Authorization and restriction of Chemicals

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. DIACLONE SAS shall not be liable for any damages resulting from handling or from contact with the above products.