

**Antibody labeling reagent
(StreptaClick-color)**

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

1.1. Product identifier

Trade name Antibody labeling reagent (StreptaClick-color)

Article No. FS488-500, FS542-500, FS594-500, FS647-500

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

Product type Reagent

Use For research use only.

1.3. Details of the supplier of the safety data sheet

Supplier Kromnigon AB

Street address BioVentureHub
Pepparedsleden 1

431 83 Mölndal
Sweden

Telephone +46 761 682242

Email info@kromnigon.com

1.4. Emergency telephone number

Emergency phone number NHS 111

Available outside office hours Yes

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Description The product is not classified as hazardous according to Regulation (EC) No 1272/2008.

2.2. Label elements

The product does not require labelling in accordance with CLP Regulation (EC) No 1272/2008.

2.3. Other hazards

Other hazards The product does not meet the PBT and vPvB criteria of REACH regulation, Annex XIII.

**Antibody labeling reagent
(StreptaClick-color)**

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Chemical name | CAS No. EC No. REACH No. Index No. | Concentration | Classification | H-phrase M factor acute M factor chronic | Note |
|---------------|--|---------------|---|--|------|
| Sodium azide | 26628-22-8 247-852-1 - 011-004-00-7 | 0 - <0.1% | Acute Tox. 2 - oral, Aquatic Acute 1, Aquatic Chronic 1 | H300, H400, H410 M-acut=1 M-chro=1 | - |

Substance additional information

For the complete meaning of H phrases mentioned in this section, see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--|---|
| Description of first aid measures | In the event of discomfort, visit a doctor and bring the safety data sheet. |
| Inhalation | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |
| Skin contact | Take off contaminated clothing. Wash the skin with soap and water. Avoid prolonged or repeated contact with skin. |
| Eye contact | Rinse thoroughly with plenty of water, also under the eyelids. Remove any contact lenses. Continue to rinse for at least 10 minutes. If symptoms persist, call a physician. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice. |

4.2. Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed No known significant effects or critical hazards.

4.3. Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Do not use water in a jet.

Antibody labeling reagent (StreptaClick-color)

5.2. Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture The product is not flammable.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Measures in case of fire Collect extinguishing water if possible. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions, protective equipment and emergency procedures Avoid contact with skin and eyes. Avoid breathing vapors, mist or gas. Use personal protective equipment. Stop leaks only if no risk is involved. Only allow access to authorised persons.

6.2. Environmental precautions

Environmental precautions Prevent discharges to watercourses, waste water or the ground.

6.3. Methods and material for containment and cleaning up

Methods and material for containment and cleaning up Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).
Mop up smaller spillages with paper towels and place in a waste container.

6.4. Reference to other sections

Reference to other sections For personal protective equipment, see under section 8, and for waste see under section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions Avoid contact with skin, eyes and clothing. It is recommended safety shower and eye bath available near work site.
Ensure good ventilation.

General hygiene Do not eat, drink or smoke during handling.
Wash hands before breaks and immediately after handling the product.
Ensure good industrial hygiene.

7.2. Conditions for safe storage, including any incompatibilities

Conditions for safe storage, including any incompatibilities Keep tightly closed in a dry, cool and well-ventilated place. Store in original container. Keep away from direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: +4°C

7.3. Specific end use(s)

Specific end use(s) See section 1.2

**Antibody labeling reagent
(StreptaClick-color)**

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits Contains no substances with occupational exposure limit values.

National occupational exposure limits

| Ingredient | CAS No. EC No. | Exposure limit ppm / mg/m ³ | Short-term exposure limit ppm / mg/m ³ | Source | Remark | Year |
|--------------|-------------------------|---|---|-----------|--|------|
| Sodium azide | 26628-22-8 247-852-1 | - 0.1 | - 0.3 | EH40/2005 | Sk - Can be absorbed through the skin. | - |

DNEL/DMEL

| Product/Substance name (CAS No./EC No.) | Type | Exposure | Value | Population | Effects |
|--|------|-----------------------------------|-------------------------|------------|----------|
| Sodium azide (26628-22-8/247-852-1) | DNEL | Chronic (long term) Inhalation | 0.164 mg/m ³ | Workers | Systemic |
| Sodium azide (26628-22-8/247-852-1) | DNEL | Chronic (long term) Dermal | 46.7 µg/kg bw/day | Workers | Systemic |
| Sodium azide (26628-22-8/247-852-1) | DNEL | Chronic (long term) Inhalation | 29 µg/m ³ | Consumer | Systemic |
| Sodium azide (26628-22-8/247-852-1) | DNEL | Chronic (long term) Dermal | 16.7 µg/kg bw/day | Consumer | Systemic |
| Sodium azide (26628-22-8/247-852-1) | DNEL | Chronic (long term) Oral | 16.7 µg/kg bw/day | Consumer | Systemic |

PNEC/PEC

| Product/Substance name (CAS No./EC No.) | Type | Environmental compartment | Value |
|--|------|---------------------------|------------------|
| Sodium azide (26628-22-8/247-852-1) | PNEC | Freshwater | 0.35 µg/l |
| Sodium azide (26628-22-8/247-852-1) | PNEC | Marine water | 15 ng/L |
| Sodium azide (26628-22-8/247-852-1) | PNEC | Sewage Treatment Plant | 30 µg/l |
| Sodium azide (26628-22-8/247-852-1) | PNEC | Sediment (freshwater) | 0.167 mg/kg dwt |
| Sodium azide (26628-22-8/247-852-1) | PNEC | Sediment (marine water) | 0.0072 mg/kg dwt |

8.2. Exposure controls

Eye / face protection Wear safety glasses or full face shield if splashes are likely to occur. Approved to EU Standard EN166.

Hand protection Wear protective gloves according to EN374. Change protective gloves regularly. The exact break through time can be obtained from the protective glove producer and this has to be observed.

Use protective gloves made of nitrile. Break through time <3h.

Other skin protection Wear suitable protective clothing to prevent contact with the skin. Use of long sleeved protective clothing is recommended.

Antibody labeling reagent (StreptaClick-color)

Respiratory protection Respiratory protection is not required under normal conditions of use.

Environmental exposure controls Prevent product from entering drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Liquid

Colour Different colors

Odour Odorless

Melting point / freezing point No data available

Boiling point or initial boiling point and boiling range No data available

Flammability Not applicable

Lower and upper explosion limit No data available

Flash point Not applicable

Auto-ignition temperature No data available

Decomposition temperature No data available

pH ≥ 7.2

Kinematic viscosity No data available

Viscosity, dynamic No data available

Solubility Water-soluble

Partition coefficient n-octanol/water No data available

Vapour pressure No data available

Density and/or relative density No data available

Relative vapour density No data available

Evaporation Rate No data available

Explosive properties Not explosive

Oxidising properties Not oxidizing

9.2. Other information

Other information No further information available.

**Antibody labeling reagent
(StreptaClick-color)**

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No reactivity hazard other than the effects described in sub-sections below.

10.2. Chemical stability

Chemical stability Stable under normal usage and storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Sodium azide can react with copper, brass, lead and solder in sewer pipes to form explosive compounds of lead azide and copper azide.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Incompatible materials metals
Avoid contact with oxidising substances and strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products No harmful degradation products during normal handling.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Based on available data, the classification criteria are not met.

| Product / Substance name CAS / EC no. | Dose descriptor | Value / Dose | Exposure route | Duration of exposure | Test animals |
|--|-----------------|----------------|----------------|----------------------|--------------|
| Sodium azide 26628-22-8 / 247-852-1 | LD50 | 27 mg/kg bw | Oral | - | Rat |
| Sodium azide 26628-22-8 / 247-852-1 | LD50 | 18-60 mg/kg bw | Dermal | - | Rabbit |
| Sodium azide 26628-22-8 / 247-852-1 | LC50 | 0,054 mg/L | Inhalation | 4h | Rat |

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory/skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Antibody labeling reagent (StreptaClick-color)

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Other information No further information available.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity The product is in all probability not acutely harmful to aquatic organisms.

Toxicity The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Acute fish toxicity

| Product / Substance name CAS / EC no. | Measurement type | Value / Result | Duration of exposure | Species | Method / Guideline |
|--|------------------|----------------|----------------------|---------------|--------------------|
| Sodium azide 26628-22-8 / 247-852-1 | LC50 | 2.75 mg/L | 96h | Rainbow trout | OECD 203 |

Acute algae toxicity

| Product / Substance name CAS / EC no. | Measurement type | Value / Result | Duration of exposure | Species |
|--|------------------|----------------|----------------------|---|
| Sodium azide 26628-22-8 / 247-852-1 | LC50 | 0.35 mg/L | 96h | Selenastrum capricornutum (green algae) |

Acute crustacean toxicity

| Product / Substance name CAS / EC no. | Measurement type | Value / Result | Duration of exposure | Species |
|--|------------------|----------------|----------------------|--|
| Sodium azide 26628-22-8 / 247-852-1 | EC50 | 5.0 mg/L | 48h | Gammarus fasciatus (freshwater shrimp) |

12.2. Persistence and degradability

Persistence and degradability Product has not been tested with respect to biodegradation. .

12.3. Bioaccumulative potential

Bioaccumulative potential The product has no known bioaccumulative potential.

Antibody labeling reagent (StreptaClick-color)

12.4. Mobility in soil

Mobility No data is available for assessment of mobility.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment PBT/vPvB assessment is not made. This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties No known risks.

12.7. Other adverse effects

Other adverse effects No other adverse effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations The product and its packaging are classified as hazardous waste. Avoid discharges into drains, onto the ground and in aquatic environments. Product and packaging must be safely disposed of. Dispose of any product, residue or packing material according to national and local regulations.

| Waste code | Description |
|------------|--|
| 16 05 06* | laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals |

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

Other

Waste code The waste code is a recommendation. Waste codes should be assigned by the user, based on the area of application where the product was used.

SECTION 14: Transport information

14.1. UN number

UN number Not classified as dangerous goods according to transport regulations.

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Environmental hazards No.

14.6. Special precautions for user

Special precautions for user No special measures required.

**Antibody labeling reagent
(StreptaClick-color)**

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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|---|----------------------------------|
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not intended for bulk transport. |
|---|----------------------------------|

SECTION 15: Regulatory information

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

| | |
|-----------------------|--|
| EU regulations | Regulation (EC) No 1907/2006 of the European Parliament and of the Council, REACH. European Parliament and Council Regulation (EC) No 1272/2008, CLP. Directive 2008/98/ec of the european parliament and of the council on waste. |
|-----------------------|--|

| | |
|-----------------------------|--|
| National regulations | EH40/2005 Workplace exposure limits The Control of Substances Hazardous to Health Regulations 2002 (as amended) |
|-----------------------------|--|

15.2. Chemical safety assessment

| | |
|-----------------------------------|---|
| Chemical safety assessment | No chemical safety assessment has been performed. |
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SECTION 16: Other information

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|-------------------------------------|---|
| Changes to previous revision | Changes are made in the following sections: 1-16. |
|-------------------------------------|---|

| | |
|----------------------|---|
| Abbreviations | PBT: Persistent, Bioaccumulative and Toxic. vPvB: very Persistent and very Bioaccumulative. LD50: Leathal dose for 50 % of the test population (leathal median dose). EC50: The concentration of a substance that affects 50 % of a population over a given period of time. LC50: Deadly concentration for 50 % of a test population. |
|----------------------|---|

| | |
|-----------------------|---|
| Phrase meaning | Acute Tox. 2 - oral - Acute toxicity, oral, hazard category 2 Aquatic Acute 1 - Hazardous to the aquatic environment — Acute hazard category 1 Aquatic Chronic 1 - Hazardous to the aquatic environment — Chronic hazard category 1 H300 Fatal if swallowed. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. |
|-----------------------|---|

Other

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|-------------------------------|---|
| Additional information | This product is included in an analysis kit from the supplier, not intended for individual sales. |
|-------------------------------|---|