

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

### 1.1. Product identifier

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

### 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 je

**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 <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	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 <sup>3</sup>	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 <sup>3</sup>	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 &lt;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)**

<b>Respiratory protection</b>	Respiratory protection is not required under normal conditions of use.
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<b>Environmental exposure controls</b>	Prevent product from entering drains.
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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
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<b>Colour</b>	Different colors
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<b>Odour</b>	Odorless
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<b>Melting point / freezing point</b>	No data available
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<b>Boiling point or initial boiling point and boiling range</b>	No data available
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<b>Flammability</b>	Not applicable
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<b>Lower and upper explosion limit</b>	No data available
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<b>Flash point</b>	Not applicable
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<b>Auto-ignition temperature</b>	No data available
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<b>Decomposition temperature</b>	No data available
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<b>pH</b>	≥ 7.2
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<b>Kinematic viscosity</b>	No data available
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<b>Viscosity, dynamic</b>	No data available
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<b>Solubility</b>	Water-soluble
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<b>Partition coefficient n-octanol/water</b>	No data available
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<b>Vapour pressure</b>	No data available
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<b>Density and/or relative density</b>	No data available
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<b>Relative vapour density</b>	No data available
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<b>Evaporation Rate</b>	No data available
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<b>Explosive properties</b>	Not explosive
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<b>Oxidising properties</b>	Not oxidizing
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### 9.2. Other information

<b>Other information</b>	No further information available.
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**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

**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.

**SECTION 16: Other information****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

**Additional information**

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