

# Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCK-X-RNAseq

Trade name: X-ClickSeq Library Prep Kit 12 Reactions

Version 1.0

Page 1 of 9

Revision date: 29.08.2024

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

### 1.1. Product identifiers

Product Name: X-ClickSeq Library Prep Kit 12 Reactions

Product number: BCK-X-RNAseq

CAS-Nr.: not available

Index No.: not available

EC No: not available

REACH No: not available

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

Laboratory chemical, for research and development only

### 1.3. Details of the supplier of the safety data sheet

baseclick GmbH

Floriansbogen 2-4

82061 Neuried

Germany

Telephone: +49 89 9699 3401

E-mail: [support@baseclick.eu](mailto:support@baseclick.eu)

### 1.4. Emergency telephone number

+49 89 9699 3401 (Working days Germany 09:00 AM – 05:00 PM CET)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard pictograms:



Signal word: Environmental Hazard

# Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCK-X-RNAseq

Trade name: X-ClickSeq Library Prep Kit 12 Reactions

Version 1.0

Page 2 of 9

Revision date: 29.08.2024

Hazard statements:

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

P391 Collect spillage.

## 2.3. Other hazards

All chemicals are potentially dangerous. They are therefore only be handled by specially trained personnel with the necessary care.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance(s)

Not relevant

### 3.2 Mixtures

Not relevant

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information: Remove any clothing soiled by the product.

After inhalation: Supply fresh air.

After skin contact: Wash with water and soap.If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for 10 minutes under running water. Then consult a doctor.

After swallowing: Rinse out mouth and drink a glass of water. Do not induce vomiting. Call for a doctor immediately and show the container or label.



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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings

water spray, foam, alcohol resistant foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media

water jet

# Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCK-X-RNAseq

Trade name: X-ClickSeq Library Prep Kit 12 Reactions

Version 1.0

Page 3 of 9

Revision date: 29.08.2024



## 5.2 Special hazards arising from the substance or mixture

Combustible. Vapours are heavier than air. Vapours can form explosive mixtures with air.

Hazardous combustion products

In case of fire may be liberated: May produce toxic fumes of carbon monoxide if burning.

## 5.3 Advice for fire-fighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Prevent fire-fighting water from entering surface water or groundwater.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel wearing of suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing.

Avoid contact with skin,

### 6.2 Environmental precautions

Do not allow to enter sewers/ground water or penetrate the soil.

Keep contaminated washing water and dispose of appropriately.

### 6.3 Methods and material for containment and cleaning up

Pick up mechanically.

Dispose of the material collected according to regulations.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Handling corresponding to laboratory safety guidelines.

Information about fire - and explosion protection:

No special measures required.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Prevent any seepage into the ground.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCK-X-RNAseq

Trade name: X-ClickSeq Library Prep Kit 12 Reactions

Version 1.0

Page 4 of 9

Revision date: 29.08.2024

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

Keep container tightly sealed.

Recommended storage temperature: -20 °C

According to product specification.

## 7.3 Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection Handling and storage

### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

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

Additional information:

The lists valid during the making were used as basis.

### 8.2 Exposure controls



Personal protective equipment:

General protective and hygienic measures:

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Respiratory protection:

Recommended when vapours/aerosols are generated.

Composite filter: B-(P2) (colour code: grey-white)

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Nitrile, thickness:  $\geq 0.11$  mm

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCK-X-RNAseq

Trade name: X-ClickSeq Library Prep Kit 12 Reactions

Version 1.0

Page 5 of 9

Revision date: 29.08.2024



The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material Value for the permeation: Level  $\geq 6$

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, thickness:  $\geq 0.11$  mm Value for the permeation: Level  $\geq 6$

Eye protection: Tightly sealed goggles

Body protection: Protective work clothing

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state: According to product specification

Colour: According to product specification

Odour: None

Odour threshold: No data available

pH (value): No data available

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability (solid, gas): No data available

lower explosion limit (LEL): No data available

upper explosion limit (UEL): No data available

Explosion limits of dust clouds: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density: No data available

Water solubility (20 °C): No data available

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

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity, flow time (23 °C): No data available

Viscosity, dynamic (mPas / 20 °C): No data available

Explosive properties: No data available

Oxidizing properties: No data available

### 9.2 Other information:

No data available

# Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCK-X-RNAseq

Trade name: X-ClickSeq Library Prep Kit 12 Reactions

Version 1.0

Page 6 of 9

Revision date: 29.08.2024



## SECTION 10: Stability and reactivity

### 10.1 Reactivity

This material is not reactive under normal ambient conditions.

### 10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

### 10.3 Possibility of hazardous reactions

Exothermic reaction with:

Strong oxidants

Contact with acids releases toxic gases.

### 10.4 Conditions to avoid

Long storage at room Temperature can destroy the Oligos and Triphosphates

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

7646-79-9 Cobalt chloride (CoCl<sub>2</sub>)

Oral LD<sub>50</sub> 80 mg/kg (Rat)

Inhalation LC50 593 mg/kg (rat) (3rd party MSDS)

75-60-5 Cacodylic acid

Oral LD<sub>50</sub> no data available

Inhalation LD<sub>50</sub> <6.9 mg/L (rat)

Specific symptoms in biological assay:

No information available.

Primary irritant effect:

on the skin:

Irritant to skin and mucous membranes.

on the eye:

Irritating effect.

after inhalation:

Vapours may cause irritative symptoms.

Sensitisation:

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCK-X-RNAseq

Trade name: X-ClickSeq Library Prep Kit 12 Reactions

Version 1.0

Page 7 of 9

Revision date: 29.08.2024

No sensitising effects known.

CMR effects:

Germ cell mutagenicity:

No information available.

Carcinogenicity:

No information available.

Reproductive toxicity:

No information available.

Aspiration hazard:

No aspiration toxicity classification.

Specific target organ toxicity - single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Additional toxicological information:

We have no description of any toxic symptoms.

Further information:

The product should be handled with the care usual when dealing with chemicals.

## SECTION 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity:

Fish toxicity:7758-98-7 copper sulphate

LC<sub>50</sub>0.11 mg/l/96 h (Onchorhynchus mykiss) (ECOTOX)

Daphnia toxicity:7758-98-7 copper sulphate

EC50 0.02 mg/l/48 h (Daphnia magna) (ECOTOX)

### 12.2 Process of degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:

Remark:

Do not allow to enter waters, waste water, or soil!

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)

Product No: BCK-X-RNAseq

Trade name: X-ClickSeq Library Prep Kit 12 Reactions

Version 1.0

Page 8 of 9

Revision date: 29.08.2024



### 12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

### 12.6 Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Recommendation

This material and its container must be disposed of as hazardous waste.

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

Uncleaned packaging:

Recommendation:

Disposal according to official regulations.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN Proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

Not Applicable

### 14.4 Packing group

Not Applicable

### 14.5 Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

### 14.6 Special precautions for user

No data available



## Safety Data Sheet

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Trade name: X-ClickSeq Library Prep Kit 12 Reactions

Version 1.0

Page 9 of 9

Revision date: 29.08.2024



### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

## SECTION 15: Regulatory information

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

Safety, health and environmental regulations/legislation specific for the substance or mixture  
This safety datasheet complies with the requirements of Regulation (EC) No. 689/2008.

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

## SECTION 16: Other information

### 16.1 Further information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. It does not represent any guarantee of the accuracy, completeness or properties of the product. This material is intended for use by persons with pertinent technical skills and at their discretion and risk. It is the responsibility of the user to determine the product's suitability for its intended use, the product's safe use, and the product's proper disposal. Disposal of hazardous material may be subject to local laws or regulations. Baseclick GmbH shall not be held liable for any damage resulting from handling or from contact with the above product. Not for drug use! For R&D only!