

## Material Safety Data Sheet (MSDS) Buccalyse BEK-50

According to Regulation (EC) No 1907/2006, (EC) No 1272/2008  
Version 2.2  
Revision Date: 03/08/2022

Contents:  
Buccalyse solution (DNA release buffer)                      Details below.

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### Buccalyse buffer

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

Product name: Buccalyse  
Manufacturer/Supplier: Cell Projects Ltd.


Substance Use: DNA Isolation

Further Information available from:  
Cell Projects Ltd.,  
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Email: [info@isohelix.com](mailto:info@isohelix.com)

Emergency Telephone Number: 999 (United Kingdom)  
112 (Europe)  
911 (US & Canada)

#### 2. Hazards identification:

Harmful if swallowed  
Harmful to eyes, respiratory system and skin

Hazard symbol 

This product contains Sodium Azide at a concentration  $\leq 0.1\%$ , so according to the classification rules related in the Directive 1999/45/CE, this product is non-hazardous. Information about Sodium Azide being present in the product is referred to in Other Hazards (related to Sodium Azide) and in section 3.

Other Hazards (related to Sodium Azide)  
Even in small amounts, sodium Azide may react with lead and copper plumbing to form highly explosive metal azides.  
Sodium Azide is also rapidly absorbed through the skin.

#### 3. Composition/information on ingredients:

**Description:** Liquid. Proprietary compound mixture.

Hazardous components	Percent	CAS Number	Einecs Number
Sodium Azide	$\leq 0.1\%$ (w/v)	26628-22-8	247-852-1

##### Hazard Classification and Risk Phrases for Sodium Azide

Harmful if ingested.  
T : R28, R32                      N : R50/53                      Acute toxicity 2, Acute aquatic toxicity 1, Chronic aquatic toxicity 1 H300, H410

**4. First-aid measures:**

General Advice:	Consult a Doctor/Physician, Show this safety data sheet to the Doctor in attendance.
After Contact with Eyes:	Immediately flush opened eyes with running water for at least 15 minutes. Call a Doctor.
After Contact with Skin:	Immediately wash skin with soap and copious amounts of water. Call a Doctor
After Inhalation:	Remove to fresh air and monitor breathing. If not breathing give artificial respiration. Call a Doctor.
After Swallowing:	Never give anything by mouth to an unconscious person. Wash out mouth with water provided person is conscious. Call a Doctor.

**5. Fire-fighting measures:**

Non-flammable.  
**Suitable extinguishing agents for surrounding fire:** CO<sub>2</sub>, powder or water spray.  
**Protective equipment:** Do not inhale combustion gases. Wear self-contained breathing apparatus if necessary.  
Flash point: Not applicable

**6. Accidental release measures:**

Use personal protective equipment as detailed in section 8. Ensure adequate ventilation. Soak up with inert absorbent material and dispose of according to regulations.

**7. Handling and storage:**

Avoid contact with eyes and skin. Avoid inhalation of vapour or mist. Wash thoroughly after handling. Keep in a dry, cool and well-ventilated place.

**8. Exposure controls/personal protection:**

**Exposure controls:** None listed  
**Personal Protective equipment:**  
Eyes: wear appropriate protective safety goggles with side shields.  
Skin: wear appropriate protective gloves.  
Clothing: wear appropriate protective clothing.  
Environmental exposure controls: Prevent from entering the drains.  
Leak and spill procedure: Absorb spills with absorbent paper taking care not to spread the material, clean spill area with 0.5% hypochlorite (bleach) solution. Discard all used materials into biohazard waste for proper collection.

**9. Physical and chemical properties:**

Physical state: liquid.  
Colour: colourless.  
Odour: odourless.  
Other properties: N/A

**10. Stability and reactivity:**

The product is stable.  
Incompatible materials: Not available.  
Hazardous decomposition products: No data available.

**11. Toxicological information:**

Acute toxicity / Potential health effects:  
Eyes – irritating to eyes.  
Skin – irritating to skin. Harmful by skin absorption.  
Inhalation – irritating to respiratory system. May be harmful by inhalation.  
Ingestion – be harmful if swallowed.

**12. Ecological information:**

May be harmful to the environment, in particular to aquatic organisms.

**13. Disposal considerations:**

Dispose of in accordance with local regulations. Must not be disposed of with household waste. Do not discharge into public sewers

**14. Transport information:**

Not classified as dangerous goods and is non-hazardous for transport. Not regulated by IATA. Can be shipped by air, sea, or rail

## 15. Regulatory information:

European/International Regulations: European labelling in accordance with EC Directives:  
Harmful R22  
Harmful if swallowed R41  
Risk of serious damage to eyes **S36**

## 16. Other information:

This information is believed to be accurate and represents the best information based on our present knowledge, but does not purport to be all inclusive and shall be used only as a guide. It does not constitute a guarantee or warranty for any specific product feature and in no case shall the Cell Projects Ltd be liable for any claims, losses or damages, including lost profits resulting from handling or contact with the above product.