

# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** EpiNext™ Chromatin Accessibility Sequencing Fast Kit

**Product No. :** P-1071

**Company:** EpigenTek Group Inc.  
110 Bi County Blvd. Ste 122  
Farmingdale, NY 11735

**Chemical Name/Synonyms:** Cleavage Stop Buffer

The following components are defined as non-hazardous and do not require MSDS. The products do not contain any hazardous components above 1% or any carcinogens above 0.1% as defined in 29 CFR 1910.1200, the OSHA Hazard Communication Standard:

CA Lysis Buffer  
CA Wash Buffer  
CA Enzyme Mix  
CA Cleavage Buffer  
10X End Polishing Buffer  
End Polishing Enzyme Mix  
2X Ligation Buffer  
T4 DNA Ligase  
Adaptors  
MQ Binding Beads  
MQ Binding Solution  
2X HiFi PCR Master Mix  
Universal Primer  
Index Primer 1  
Elution Buffer

**For information about this SDS:** 631-755-0888

**In case of emergency call 911.**

## Section 2: Hazard(s) Identification

### Hazard Classification:

**in accordance with 29 CFR 1910.1200 (OSHA HCS) and Regulation (EC) No 1272/2008 (CLP)**

Acute toxicity, category 4, dermal, H312

Skin irritation, category 2, H315

Serious eye damage, category 1, H318

Specific target organ toxicity (single exposure), category 3, vascular, H335

Chronic aquatic toxicity, category 3, H412

**Signal Word(s):** Danger

### Hazard Statements:

H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects

**Pictograms:**



**Precautionary Statements:**

P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302 + P352 IF ON SKIN: wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P310 IF exposed or concerned: Immediately call a POISON CENTER/doctor.  
P312 Call a POISON CENTER or doctor if you feel unwell.  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Description of other hazards:** Harmful to aquatic life.

**Section 3: Composition/ Information on Ingredients**

Specific chemical identity and/or exact percentage of composition have been withheld as a trade secret is required.

Chemical Name	Synonym/Identifier	CAS#	Conc.
Cleavage Stop Buffer	EC No. 205-788-1	151-21-3	1 – 5%

**Section 4: First-Aid Measures**

**General advice:** IF exposed: Immediately call a POISON CENTER/doctor. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended.

**After skin contact:** After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.

**After eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

**After inhalation:** Immediately call a POISON CENTER/doctor. Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

**After swallowing:** Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Rinse mouth thoroughly with water. Give nothing to eat or drink.

### Section 5: Fire-Fighting Measures

**Suitable extinguishing agents:** The product itself does not burn. Coordinate fire-fighting measures to the fire surroundings

**Special hazards arising from the substance or mixture:** In case of fire may be liberated: Pyrolysis products, toxic

**Advice for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Additional information:** Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases. Use water spray/stream to protect personnel and to cool endangered containers. In case of fire: Evacuate area.

### Section 6: Accidental Release Measures

**Personal precautions:** In case of major fire and large quantities: Remove persons to safety. Ensure adequate ventilation, especially in confined areas. For emergency responders Use personal protection recommended in Section 8.

**Measures for environmental protection:** Discharge into the environment must be avoided.

**Measures for cleaning/collecting:** Spilled product must never be returned to the original container for recycling. Collect in closed and suitable containers for disposal.

### Section 7: Handling and Storage

**Handling:** Handle in accordance with good industrial hygiene and safety practice.

**Storage:** Keep container tightly closed in a dry and well-ventilated place.

### Section 8: Exposure Controls/Personal Protection

**Control parameters:** Does not contain substances above concentration limits fixing an occupational exposure limit.

**Exposure controls:**

Engineering Controls

Showers  
Eyewash stations  
Ventilation systems

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin and body protection

Wear protective gloves and protective clothing.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be

Environmental exposure controls

provided in accordance with current local regulations.  
No information available

### Section 9: Physical and Chemical Properties

**Form:** Liquid.

**Odor:** No data available.

**Odor threshold:** No data available.

**pH:** No data available.

**Melting point/melting range:** No data available.

**Boiling point/boiling range:** 100°C

**Flash point:** No data available.

**Evaporation rate:** No data available.

**Flammability:** No data available.

**Upper/lower flammability or explosive limits:** No data available.

**Auto ignition temperature:** No data available.

**Danger of explosion:** Not applicable.

**Vapor pressure:** No data available.

**Vapor density:** No data available.

**Density:** No data available.

**Solubility in/Miscibility with water:** No data available.

### Section 10: Stability and Reactivity

**Reactivity:** No data available.

**Chemical stability:** The product is chemically stable under standard ambient conditions (room temperature).

**Conditions to avoid:** Extremes of temperature and direct sunlight

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** Hydrogen sulfide.

### Section 11: Toxicological Information

**Acute toxicity:** Product does not present an acute toxicity hazard based on known or supplied information.

**Potential routes of exposure/potential health effects:**

#### Cleavage Stop Buffer

#### Sodium dodecyl sulfate (151-21-3)

**Oral:** = 1288 mg/kg (Rat)

**Dermal:** = 200 mg/kg (Rabbit).

**Eye:** Causes serious eye damage

**Inhalation:** > 3900 mg/m<sup>3</sup> (Rat) 1h

**Carcinogenic effects:** No data available.

**Mutagenic effects:** No indications of human germ cell mutagenicity exist.

**Reproductive toxicity:** No data available.

**Sensitization:** Not sensitizing.  
**Target organs:** No data available.

**Section 12: Ecological Information (non-mandatory)**

**Ecotoxicity:** May cause long lasting harmful effects to aquatic life.

**Fish toxicity:**

Sodium dodecyl sulfate (SDS) - LC50: 7.97 mg/l (96h)

**Daphnia toxicity:**

Sodium dodecyl sulfate (SDS) - EC50: 9.8 mg/l (48h)

Sodium dodecyl sulfate (SDS) - LC50: 12.1 mg/l (48h)

**Algae toxicity:**

Sodium dodecyl sulfate (SDS) - EC50: 15 mg/l (72h)

**Mobility:** No data available.

**Biodegradation:** No data available.

**Bioaccumulation:** Partition coefficient: 1.6

**Section 13: Disposal Considerations (non-mandatory)**

Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

**Section 14: Transport Information (non-mandatory)**

**DOT regulations:** Not regulated.

**Section 15: Regulatory Information (non-mandatory)**

**Chemical Inventory Status**

<b>Component(s)</b>	<b>TSCA</b>	<b>EC</b>	<b>Japan</b>	<b>Australia</b>
Cleavage Stop Buffer	Yes	Yes	Yes	Yes

**Section 16: Other Information**

**SDS date of preparation/update:** January 18, 2024