

Material Safety Data Sheet

1 - Product and Company Information

1.1 Product identifier

Product Name : BrdU Cell Proliferation Assay Kit (CAK2010)

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

Identified uses: Biochemical research/analysis

1.3 Details of the supplier of the safety data sheet

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Email: custom@cohesionbio.com

2 - Hazards Identification

2.1 Classification of the substance or mixture

Skin corrosion/irritation Category 1 - (H314)

Serious eye damage/eye irritation Category 1 - (H318)

Skin sensitization Category 1 - (H317)

Flammable liquids Category 2 - (H225)

2.2 Label elements

Signal word

Danger

Hazard statement(s)

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H225 - Highly flammable liquid and vapor.

Precautionary statement(s)

P210 - Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment.

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P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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.

P310 - Immediately call a POISON CENTER or doctor/physician.

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

P403 + P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to an approved waste disposal plant.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 - Composition/Information on Ingredient

Proclin 300 (CAS#96118-96-6) <0.1%

Sulfuric acid (CAS#7664-93-9) 6%

This product contains the following components and mixture of the following substances with non-hazardous additions.

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4 - First Aid Measures

Eye Contact: Irrigate with copious amounts of fresh water.

Skin Contact: Wash with clean water or soap and water.

Inhalation: Move to an outside area and breath fresh air. Clear the nose by blowing.

Ingestion: Flush out the mouth with water and drink copious amounts of fresh water. Seek medical advice.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical power or appropriate foam. Prevent contact with skin and eyes.

6 - Accidental Release Measures

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Spilled material should be carefully wiped up with water and removed.

7 - Handling and Storage

Keep receptacles tightly sealed and store according to the instructions in the assay protocol.

8 - Exposure Controls

Safety shower and eye bath, mechanical exhaust required. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Avoid inhalation. Avoid contact with eyes, skin and clothing. Store as indicated on product label. Avoid prolonged or repeated exposure.

SPECIAL PROTECTIVE EQUIPMENT: Wear suitable protective clothing, including gloves, safety glasses, dust mask, and a laboratory coat.

SPECIAL PRECAUTIONS: Not for human or drug use. Not for household use.

9 - Physical and Chemical Properties

BrdU (1000X)

Physical state Liquid

Appearance Clear

Fixing Solution

Physical state Liquid

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Appearance Clear

pH 7.4

Denaturing Solution

Physical state Liquid

Appearance Clear

pH 7.4

BrdU Antibody (500X)

Physical state Liquid

Appearance Clear

pH 7.4

Goat Anti-Mouse IgG (H&L) - HRP (2000X)

Physical state Liquid

Appearance Clear

pH 7.4

Antibody Diluent

Physical state Liquid

Appearance Clear

pH 7.4

Wash Buffer (20X)

Physical state Liquid

Appearance Clear

pH 7.4

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TMB Substrate

Physical state	Liquid
Appearance	Clear
pH	3.8

Stop Solution

Physical state	Liquid
Appearance	Clear
pH	2.0

10 - Stability and Reactivity

STABILITY: Stable under normal handling procedures.

11 - Toxicological Information

The toxicology of this material has not been fully tested.

12 - Ecological Information

Data not yet available.

13 - Disposal Considerations

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide buildup in drains.

14 - Transport Information

DOT (US) - Not dangerous goods.

IMDG - Not dangerous goods.

IATA - Not dangerous goods.

15 - Regulatory Information

No information

16 - Other Information

Issuing Date: 2026-03-24

The above information is believed to be correct but does not purport to be all inclusive and shall be used

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For research purposes only, not for human use

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only as a guide. Cohesion Biosciences shall not be held liable for any damage resulting from handling or from contact with the above product.

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