

Material Safety Data Sheet

1 - Product and Company Information

1.1 Product identifier

Product Name : Proline Microplate Assay Kit (CAK1121)

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

COHESION BIOSCIENCES

Add: Rm 306, Bld 2, 77 Louyang Rd, Industrial Park, 215028, Suzhou

Email: custom@cohesionbio.com

2 - Composition/Information on Ingredient

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

5-Sulfosalicylic acid dihydrate (CAS#: 5965-83-3)

Acetate (CAS#: 64-19-7)

Proline (CAS#: 147-85-3)

Ninhydrin (CAS#: 485-47-2)

3 - Hazards Identification

Flammable liquids (Category 3), H226

Skin corrosion (Category 1A), H314

Serious eye damage (Category 1), H318

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Hazard statements

H226 Flammable liquid and vapour.

H314 Causes severe skin burns and eye damage.

H302 Harmful if swallowed.

H315 Causes skin irritation.

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H319 Causes serious eye irritation.

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces.

P273 Avoid release to the environment.

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

P302 + P352: If on skin: Wash with plenty of soap and water.

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.

P312 Call a doctor/ physician if you feel unwell.

P332 + P313: If skin irritation occurs: Get medical advice/ attention.

P337 + P313: If eye irritation persists: Get medical advice/ attention.

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.

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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

Refer to 2. Composition/Information On Ingredients.

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

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

EU regulations

Major Accident Hazard Legislation 96/82/EC - Directive 96/82/EC does not apply

SEVESO III - Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer - not regulated

Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent

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organic pollutants and amending Directive 79/117/EEC - not regulated

Substances of very high concern (SVHC)

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of $\geq 0.1\%$ (w/w).

National legislation

Storage class 10 - 13

The data applies to the entire pack.

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

16 - Other Information

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