



SAFETY DATA SHEET

Conjugate Diluent type MES/S

Section 1: Chemical and Company Identification

Product Name: Conjugate diluent type MES/S

Recommended use: Laboratory chemicals

Company Identification: Beacon Analytical Systems, Inc.
82 Industrial Park Road
Saco, ME 04072

Date: 4/22/2015

Emergency Number: 207-571-4302

Revision Date: 5/2/2018

Section 2: Hazards Identification

GHS Classification:

Signal Word: Warning



Skin irrit. 2 H315 Causes skin irritation.

Eye irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

Precautionary statements:

Prevention:

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

Response:

Skin

P302+P352- IF ON SKIN: Wash with plenty of soap and water.

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Inhalation

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

Eyes

P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Other Classification Systems:

NFPA ratings (scale 0-4):

Health= 2

Fire= 0

Reactivity= 0

HMIS ratings (scale 0-4)

Health= 2

Fire= 0

Reactivity= 0

Other hazards:

PBT: N/A

vPvB: N/A

Section 3: Composition/information on ingredients

Chemical characterization: Mixture

Hazardous components:

<u>CAS#</u>	<u>Chemical Name</u>	<u>%</u>	<u>EC#</u>
145224-94-8	MES monohydrate	1-2%	224-632-3

Section 4: First Aid Measures

- **General information:**
Immediately remove any contaminated clothing.
- **If inhaled:**
Remove to fresh air and seek medical advice.
- **In case of skin contact:**
Immediately wash exposed skin with soap and copious amounts of water.
- **In case of eye contact:**
Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek medical advice.
- **If ingested:**
Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Seek medical attention if not feeling well.
- **Most important symptoms/effects, acute and delayed:**
No information available.
- **Indication of immediate medical attention and special treatment needed:**
No information available.

Section 5: Fire Fighting Measures

- **Suitable extinguishing media:**
N/A
- **Special hazards arising from substance or mixture:**
N/A
- **Advice for firefighters:**

N/A

Section 6: Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**
Evacuate and ventilate area.
Only trained personnel should handle spill cleanup.
Wash spill site after cleanup is complete.
- **Environmental precautions:**
Prevent entry into sewers and public water. Notify appropriate authorities if entry occurs.
- **Methods and materials for containment and cleaning up:**
Contain any spills to prevent entry into water systems.
Place cleanup materials into suitable container for disposal in accordance with regulations.

Section 7: Handling and Storage

- **Precautions for safe handling:**
Use appropriate protective equipment.
Wash hands and other exposed areas after handling before eating, drinking or smoking, and when leaving work.
- **Conditions for safe storage, including any incompatibilities:**
Store in a dry, cool, well ventilated place.
Avoid elevated temperatures.
- **Requirements to be met by storerooms and receptacles:**
Keep container tightly closed.
Store at 2-8 °C
- **Information about storage in one common storage facility:**
No information available.
- **Further information about storage conditions:**
No information available.

Section 8: Exposure Controls/Personal Protection

- **Control Parameters**
Components with limit values that require monitoring at the workplace:
No information available.
Components with biological limit values:
No information available.
- **Appropriate engineering controls:**
Ensure adequate ventilation, especially in confined areas.
- **Individual protection measures:**
General protective and hygienic measures:
Keep away from food, beverages, and feed.
Immediately remove any contaminated clothing.
Breathing equipment:
Where excessive vapor, mist, or dust may result, use NIOSH approved respiratory protection.
Eye Protection:
Wear safety glasses.
Eyewash station.
Skin and body Protection:
Wear protective gloves.
Lab coat.

Section 9: Physical and Chemical Properties

- **Physical state:** Liquid
- **Color:** Pale amber to colorless

- **Odor:** None
- **Odor threshold:** No information available.
- **pH:** Neutral
- **Melting point/range:** No information available.
- **Boiling point/range:** 100 °C
- **Flash point:** No information available.
- **Evaporation rate:** No information available.
- **Flammability (solid, gaseous):** No information available.
- **Upper/ Lower explosive limits:**
Lower: No information available.
Upper: No information available.
- **Vapor pressure (at 20 °C):** No information available.
- **Vapor density:** No information available.
- **Relative density:** No information available.
- **Solubility(ies):**
Water: Fully miscible.
- **Partition coefficient(n-octanol/water):** No information available.
- **Autoignition temperature:** No information available.
- **Decomposition temperature:** No information available.

Section 10: Stability and Reactivity

- **Chemical Stability:**
Stable under recommended storage and handling.
- **Possibility of hazardous reactions:**
None known.
- **Conditions to avoid:**
None known.
- **Incompatible materials:**
Strong oxidizing agents.
- **Hazardous decomposition products:**
Thermal decomposition generates: CO₂, CO, nitrogen oxides, sulfur oxides.

Section 11: Toxicological Information

To the best of our knowledge, the chemical, physical, and toxicological properties of this product have not been thoroughly investigated. The following refers to the hazardous ingredient(s) of the product. Other harmful effects cannot be excluded.

- **Acute toxicity**
LD/LC 50 values:
No information available.
- **Chronic Toxicity**
Irritation:
May cause skin, eye, and respiratory irritation
Sensitization:
No information available.
Carcinogenicity:
No information available.
Mutagenic effects:
No information available.
Reproductive effects:
No information available.
Developmental effects:
No information available.
Teratogenicity:

No information available.

Section 12: Ecological Information

- **Aquatic toxicity:**
No information available.
- **Terrestrial toxicity:**
No information available.
- **Persistence and degradability:**
No information available.
- **Bioaccumulative potential:**
No information available.
- **Mobility in soil:**
No information available.
- **Other adverse effects:**
No information available.

Section 13: Disposal Considerations

Dispose of material in accordance with federal, state, and local regulations. Do not allow product to be released into the environment.

Section 14: Transport Information

UN-Number

DOT, ADR, ADN, IMDG, IATA:

Void

UN proper shipping name

DOT, ADR, ADN, IMDG, IATA:

Void

Transport hazard class

DOT, ADR, ADN, IMDG, IATA:

Void

Packing group

DOT, ADR, ADN, IMDG, IATA:

Void

Environmental hazards

Marine Pollutant:

No

Special precautions for user:

N/A

Section 15: Regulatory Information

N/A

Section 16: Other Information

For research use only, not for human or veterinary clinical use.

DISCLAIMER: This document is believed to be accurate, but does not purport to be all-inclusive and should be used only as a guide. Beacon Analytical Systems, Inc. shall not be held liable for any damage

resulting from handling or from contact with the above product. These suggestions should be not be confused with state, municipal, or insurance requirements, and constitutes NO WARRANTY.

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