



SAFETY DATA SHEET

Substrate

Section 1: Chemical and Company Identification

Product Name: Substrate

Recommended use: Laboratory Chemicals

Company Identification: Beacon Analytical Systems, Inc. **Date:** 3/26/2015
82 Industrial Park Road
Saco, ME 04072

Emergency Number: 207-571-4302

Revision Date: 5/2/2018

Section 2: Hazards Identification

GHS Classification

Not Classified

Precautionary statements:

N/A

Other Classification Systems:

NFPA ratings (scale 0-4):

Health= 0

Fire= 0

Reactivity= 0

HMIS ratings (scale 0-4)

Health= 0

Fire= 0

Reactivity= 0

Other hazards:

PBT: N/A

vPvB: N/A

Section 3: Composition/information on ingredients

Chemical characterization: Mixture

Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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 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:**
Keep the container tightly closed.
Keep away from light.
Store at 2-8 °C.
- **Requirements to be met by storerooms and receptacles:**
No further information available.
- **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:
Immediately remove any contaminated clothing.
Breathing equipment:
If excessive vapor or mist may result, use NIOSH approved respiratory protection.
Eye Protection:
Safety glasses, eye wash station.
Skin and body Protection:
Wear protective gloves.
Wear suitable protective clothing (i.e. lab coat).

Section 9: Physical and Chemical Properties

- **Physical state:** Liquid
- **Color:** Colorless to pale yellow
- **Odor:** No information available.
- **Odor threshold:** No information available.
- **pH:** 3.3-3.8
- **Melting point/range:** No information available.
- **Boiling point/range:** No information available.
- **Flash point:** No information available.
- **Evaporation rate:** No information available.
- **Flammability (solid, gaseous):** Not flammable
- **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:** 1.01 (water = 1)
- **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 handling and storage conditions.
- **Possibility of hazardous reactions:**
No hazardous reactions known.
- **Conditions to avoid:**
Light

- Elevated temperature
- Moisture
- **Incompatible materials:**
 - Strong oxidizing agents
 - Metals
- **Hazardous decomposition products:**
 - Thermal decomposition generates: Carbon oxides (CO, CO₂), nitrogen 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**
 - Not classified
- **Chronic Toxicity**
 - Irritation:**
 - May cause respiratory, skin, and eye irritation.
 - Sensitization:**
 - No information available.
 - Carcinogenicity:**
 - Not classified
 - Mutagenic effects:**
 - Not classified
 - Reproductive effects:**
 - Not classified
 - 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 in accordance with all federal, state and local environmental regulations.

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.

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