























- **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:**  
None known.
- **Hazardous decomposition products:**  
Thermal decomposition generates: CO<sub>2</sub>, CO, 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**  
**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. Attogene Corporation 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.





## MATERIAL SAFETY DATA SHEET

### Rabbit anti-microcystin antibody solution

#### **Section 1: Chemical and Company Identification**

**Product Name:** Rabbit anti-microcystin antibody solution

**Recommended use:** Laboratory Chemicals

**Company Identification:** Attogene Corporation 3913  
Todd Lane Suite 310 Austin,  
Texas 78744

**Emergency Number:** 512-333-1330

**Revision Date:** N/A

#### **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.

#### **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:**  
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.
- **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:** No information available.
- **Odor:** No information available.
- **Odor threshold:** No information available.
- **pH:** No information available.
- **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:** 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 handling and storage conditions.
- **Possibility of hazardous reactions:**  
No hazardous reactions known.
- **Conditions to avoid:**  
No information available.
- **Incompatible materials:**  
No information available.
- **Hazardous decomposition products:**



No information available.

### **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:**  
No information available.
- **Chronic Toxicity**  
**Irritation:**  
No information available.  
**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 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**

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## MATERIAL 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:** N/A

#### **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, CO<sub>2</sub>), 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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## MATERIAL SAFETY DATA SHEET

### Stop Solution

#### Section 1: Chemical and Company Identification

**Product Name:** Stop Solution

**MSDS Name:** Hydrochloric Acid, 3.12%

**Recommended use:** Laboratory Chemicals

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

**Date:** 4/20/2015

**Emergency Number:** 207-571-4302

**Revision Date:** 4/22/2015

#### Section 2: Hazards Identification

##### GHS Classification

**Signal Word:** Danger



Serious eye damage/eye irritation 1 H318 Causes serious eye damage.

Corrosive to metals 1 H290 May be corrosive to metals.





STOT RE 2

H373 May cause damage to organs through prolonged or repeated exposure.



Acute Toxicity 4

H302 Harmful if swallowed.

Skin corrosion/irritation 2 H315 Causes skin irritation.

**Precautionary statements:**

**Prevention:**

P260- Do not breathe dust/fumes/gas/mist/vapor/spray.

P264- Wash skin thoroughly after handling.

P270- Do not eat drink, or smoke when using this product.

P280- Wear protective gloves/eye/face protection.

P234- Keep only in original container.

**Response:**

**General**

P308+P314- IF exposed or concerned: Get medical advice/attention if you feel unwell.

**Skin**

P302+P352+P362+P364+P332+P313- IF ON SKIN: Wash with plenty of soap and water.

Take off contaminated clothing and wash before reuse.

If skin irritation occurs: Get medical advice/attention.

**Eyes**

P305+P351+P338+P310- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**Ingestion**

P301+P312+P330- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Rinse mouth.

**Storage**

P406- Store in corrosive resistant polypropylene container with a resistant inner liner.

**Disposal**

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

**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: Mixtures

<b><u>CAS#</u></b>	<b><u>Chemical Name</u></b>	<b><u>%</u></b>	<b><u>EC#</u></b>
7647-01-0	Hydrogen chloride	2 – 4%	231-595-7
111-46-6	Diethylene glycol	2 – 4%	203-872-2

### **Section 4: First Aid Measures**

- **General information:**  
Immediately remove any clothing soiled by the product.
- **If inhaled:**  
Supply fresh air and seek medical attention.
- **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:**  
Give large amounts of water and induce vomiting if the person is conscious. Seek medical attention.
- **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**
- **Protective equipment:**  
N/A

### **Section 6: Accidental Release Measures**

- **Personal precautions, protective equipment and emergency procedures:**  
Use personal protective equipment.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/surface or ground water.
- **Methods and materials for containment and cleaning up:**  
Sweep up, place in a bag, and hold for waste disposal.  
Assure adequate ventilation.  
Wash spill site after cleanup is complete.

### **Section 7: Handling and Storage**

- **Precautions for safe handling:**

Ensure good ventilation/exhaustion.  
Prevent formation of aerosols.

- **Conditions for safe storage, including any incompatibilities:**
- **Requirements to be met by storerooms and receptacles:**  
N/A
- **Information about storage in one common storage facility:**  
N/A
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.

## **Section 8: Exposure Controls/Personal Protection**

- **Control Parameters**  
**Components with limit values that require monitoring at the workplace:**  
**7647-01-0 Hydrogen chloride**

PEL Short-term value: C 7 mg/m<sup>3</sup>, C 5 ppm

REL Short-term value: C 7 mg/m<sup>3</sup>, C 5 ppm

TLV Short-term value: C 2.98 mg/m<sup>3</sup>, C 2 ppm

### **111-46-6 Diethylene glycol**

TWA: 10.00 mg/m<sup>3</sup>

**Components with biological limit values:**  
N/A

- **Appropriate engineering controls:**  
Ensure adequate ventilation.  
Ensure eyewash stations are close to the workstation.
- **Individual protection measures:**  
**General protective and hygienic measures:**  
Keep away from food, beverages, and feed.  
Immediately remove any soiled and contaminated clothing.  
Avoid contact with eyes and skin.  
**Breathing equipment:**  
Good general ventilation should be sufficient to control airborne levels.  
**Eye Protection:**  
Safety glasses, eye wash station.  
**Skin and body Protection:**  
Protective gloves, lab coat.

## **Section 9: Physical and Chemical Properties**

- **Physical state:** Liquid
- **Color:** Colorless
- **Odor:** No odor
- **Odor threshold:** No information available.
- **pH:** No information available.
- **Melting point/range:** No information available.
- **Boiling point/range:** 100 °C/ 212 °F
- **Flash point:** N/A
- **Evaporation rate:** No information available.
- **Flammability (solid, gaseous):** N/A
- **Upper/ Lower explosive limits:**  
Lower: No information available.

- Upper: No information available.
- **Vapor pressure (at 20 °C):** 23 hPa
- **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:** Product is not self igniting.
- **Decomposition temperature:** No information available.

#### **Section 10: Stability and Reactivity**

- **Chemical Stability:**  
Stable under normal conditions.
- **Possibility of hazardous reactions:**  
No dangerous reactions known.
- **Conditions to avoid:**  
No information available.
- **Incompatible materials:**  
No information available.
- **Hazardous decomposition products:**  
No dangerous decomposition products known.

#### **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:**  
**7647-01-0 Hydrogen chloride**  
Oral LD50: 900 mg/kg (rabbit)  
**111-46-6 Diethylene glycol**  
Oral LD50: 12,565 mg/kg (rat)  
Oral LD50: 1,000 mg/kg (human)  
Dermal LD50: 11,890 mg/kg (rabbit)
- **Chronic Toxicity**  
**Irritation:**  
Irritating to the skin, eyes, and mucous membranes.  
**Sensitization:**  
No sensitizing effects known.  
**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:**  
Water hazard class 1: slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach sewage system or ground water.

- **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**

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## MATERIAL SAFETY DATA SHEET

### 100X Wash Solution

#### **Section 1: Chemical and Company Identification**

**Product Name:** 100X Wash Solution

**Recommended use:** Laboratory Chemicals

**Company Identification:** Beacon Analytical Systems, Inc. **Date:** 4/17/2015  
82 Industrial Park Road  
Saco, ME 04072

**Emergency Number:** 207-571-4302

**Revision Date:** N/A

#### **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.

#### **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:**  
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.
- **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:** No information available.
- **Odor:** No information available.
- **Odor threshold:** No information available.
- **pH:** No information available.
- **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:** 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 handling and storage conditions.
- **Possibility of hazardous reactions:**  
No hazardous reactions known.
- **Conditions to avoid:**  
No information available.
- **Incompatible materials:**  
Strong oxidizing agents
- **Hazardous decomposition products:**

No information available.

### **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 mild skin 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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