

# Material Safety Data Sheet

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## **Section 1 – Company and Product Information**

**Trade Name: Low Salt Wash Buffer (mRNA Isolation)**

**Synonyms: mRNA Wash Buffer**

Cartagen Molecular Systems, Inc.

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## **Section 2 - Composition / Information on Ingredients**

*Aqueous solution of proprietary compound mixture.*

*No hazardous components.*

## **Section 3 - Hazards Identification**

### **Emergency Overview**

Occupational exposure presents little or no health hazard.

### **Potential Health Effects**

**Eye:** May cause irritation of the eye.

**Skin:** May cause skin irritation.

**Ingestion:** May cause nausea or vomiting.

**Inhalation:** No toxicity expected from inhalation.

**Chronic:** No data on cancer.

## **Section 4 - First Aid Measures**

**In Case of Eye Contact:** Flush with water in an eyewash for at least 15 minutes, holding eyelids open. Remove contact lenses, clean before re-use. Obtain medical attention if symptoms develop (redness, itching, etc.).

**In Case of Skin Contact:** Wash with plenty of soap and water. Obtain medical attention if symptoms develop (redness, itching, etc.). Remove contaminated clothes, wash before re-use.

**If Ingested:** Give plenty of water, if conscious. If vomiting occurs naturally, wash mouth out. Be prepared to induce vomiting upon a physician's advice. Obtain medical attention if symptoms develop.

**If Inhaled:** Remove person to fresh air. Obtain medical attention unless effects are mild and temporary.

## **Section 5 - Fire Fighting Measures**

**General Information:** Standard turnout gear ("bunker gear"). Positive-pressure self-contained breathing apparatus. Hazardous Combustion Products: Includes carbon dioxide, carbon monoxide, dense smoke.

**Extinguishing Media:** Use means appropriate for surrounding materials.

**Flash Point:** Not available.

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

## **Section 6 - Accidental Release Measures**

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill. Common absorbent materials should be effective. Deposit in appropriate containers for removal and disposal.

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## **Section 7 - Handling and Storage**

**Handling:** Keep closed or covered when not in use.

**Storage:** Suitable for most general chemical storage areas.

Storage Pressure: Ambient

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

**Engineering Controls:** Area ventilation is generally adequate.

**Exposure Limits:** OSHA PEL AGCIH TWA

Component (ppm) (ppm)

No hazardous components

### **Personal Protective Equipment**

**Eyes:** Safety glasses should be the minimum eye protection.

**Skin:** Gloves should be used as minimum hand protection.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** No respiratory protection will be needed under normal industrial operating conditions.

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

**Physical State:** Liquid solution

**Appearance:** Colorless

**Odor:** None

**Vapor Pressure:** Not established.

**Vapor Density:** Not established.

**Evaporation Rate:** Not established.

**Viscosity:** Not established.

**Boiling Point:** Not established.

**Freezing/Melting Point:** Not established.

**Decomposition Temperature:** Not established.

**Specific Gravity/Density:** Not established.

## **Section 10 - Stability and Reactivity**

**Chemical Stability:** Stable under ordinary conditions of use and storage.

**Conditions to Avoid:** Strong oxidizers.

**Hazardous Decomposition Products:** Chlorinated compounds.

**Hazardous Polymerization:** Not expected to occur.

## **Section 11 – Toxicological Information**

### **Acute Toxicity:**

Dermal/Skin: Not determined.

Inhalation/Respiratory: Not determined.

Oral/Ingestion: Not determined.

Target Organs: No data found.

### **Carcinogenicity:**

NTP: Not tested.

IARC: Not listed.

OSHA: Not regulated.

## **Section 12 - Ecological Information**

Ecotoxicological Information: No ecological information available.

Environmental Fate (Degradation, Transformation, and Persistence): Bioconcentration is not expected to occur.

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## **Section 13 - Disposal Considerations**

Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.

## **Section 14 – Transport Information**

DOT:

Proper Shipping Name: Not determined.

Non-hazardous for transport

IATA:

Non-hazardous for transport

## **Section 15 – Regulatory Information**

UNITED STATES:

TSCA:

This product is solely for research and development purposes only and may not be used, processed or distributed for a commercial purpose. It may only be handled by technically qualified individuals.

Prop 65 Listed Chemicals: PROP 65 PERCENT

No Prop 65 Chemicals.

No 313 Chemicals

CANADA:

DSL/NDSL: Not determined.

COMPONENT WHMIS Classification

No hazardous components

EUROPEAN UNION:

PRODUCT RISK PHRASES: None assigned.

PRODUCT SAFETY PHRASES: Not applicable.

PRODUCT CLASSIFICATION: Not classified as hazardous

EINECS

Component Number

No hazardous components

## **Section 16 – Other Information**

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