

Material Safety Data Sheet

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Number of Pages: 3

Section 1 – Product and Company Information

Trade Names: Wash Buffer II (Total RNA Isolation Kit), RNase-Free Water (Total RNA Isolation Kit)

Synonyms: Total RNA Isolation Kit Wash Buffer II, Total RNA Isolation Kit RNase-Free Water

Cartagen Molecular Systems, Inc.
1102 Columbia Street, Suite 410
Seattle, WA 98104

Telephone Number for Information: (206) 624-0940

Emergency Phone Number: (206) 624-0940

Fax: (206) 624-1184

Section 2 - Composition / Information on Ingredients

Aqueous solutions of proprietary mixtures.

According to the OSHR 29 CFR 1910.1200, a mixture that contains less than one percent by weight or volume of a non-carcinogenic hazardous component is not considered hazardous, unless there is evidence to the contrary. We do not consider Wash Buffer II or RNase-Free Water to be hazardous and do not require separate material safety data sheets, however we recommend the use of gloves, lab coats, and eye protection when working with these or any chemical reagents.

Section 3 - Hazards Identification

Emergency Overview

Occupational exposure presents little or no health hazard.

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause nausea or vomiting.

Inhalation: No toxicity expected from inhalation.

Chronic: Not available

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 unless effects are mild and temporary.

If ingested: Give plenty of water, if conscious. If vomiting occurs naturally, wash mouth out. Be prepared to induce vomiting upon a physicians 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: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Non-combustible, substance itself does not burn but may decompose upon heating to produce irritating, corrosive and/or toxic fumes.

Extinguishing Media: Use means appropriate for surrounding materials.

Flash Point: Not available

Autoignition Temperature: Not available

Explosion Limits, Lower: Not available

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Upper: Not available

Section 6 - Accidental Release Measures

General: Accidental releases may be subject to special reporting requirements and other regulatory mandates. Refer to Section 8 for personal protection equipment recommendations.

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

Section 7 - Handling and Storage

Handling: Keep closed or covered when not in use.

Storage: Suitable for most general chemical storage areas.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Area ventilation is generally adequate.

Exposure Limits: None listed.

Personal Protective Equipment

Eyes: Safety glasses should be the minimum eye protection.

Skin: Gloves should be used as minimum hand protection.

Clothing: Wear appropriate clothing to prevent skin exposure.

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

Section 9 - Physical and Chemical Properties

Physical State: liquid

Appearance: colorless

Odor: odorless

pH: neutral

Viscosity: Not available

Solubility: soluble in water

Specific Gravity/Density: Not available

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Excess heat.

Incompatibilities: Strong oxidizers.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.

Hazardous Polymerization: Not expected to occur.

Section 11 – Toxicological Information

Not applicable

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Dispose of container, used, and unused contents in accordance with federal, state, or local requirements.

Section 14 – Transport Information

DOT:

Proper Shipping Name: None

Non-hazardous for transport

IATA: Non-hazardous for transport

Section 15 – Regulatory Information

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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:

No Prop 65 Chemicals
No 313 Chemicals

PROP 65

PERCENT

CANADA:

DSL/NDSL: Not determined.

COMPONENT

No hazardous components

WHMIS Classification

EUROPEAN UNION:

PRODUCT RISK PHRASES: None assigned.

PRODUCT SAFETY PHRASES: Not applicable.

PRODUCT CLASSIFICATION: No classified as hazardous.

Component

No hazardous components

EINECS Number

Section 16 – Other Information

Disclaimer: For R&D use only. Not for drug, household or other uses.

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