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## Safety Data Sheet

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### Section 1 – Product and Company Identification

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**Product Name:** Hepatitis C Viral RNA  
**Applicable Product(s):** 08-806-000  
**Manufacturer:** Advanced Biotechnologies Inc  
1545 Progress Way  
Eldersburg, MD 21784  
**Telephone:** (410) 792-9779  
**Fax:** (301) 497-9773

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### Section 2 – Hazard Identification

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#### I. Biohazards

**Emergency Overview:** Biohazardous

**Note:** Hepatitis C is a positive-sense, single stranded RNA virus. Nucleic acid of this type of virus can be infectious under certain conditions, therefore this product is considered BIOHAZARDOUS.

#### II. Chemical Hazards

**Emergency Overview:** No known OSHA chemical hazards.

**Routes of Entry:** Skin contact, Eye contact, Inhalation, Ingestion

#### Potential Health Effects

**Eyes:** May cause eye irritation.

**Skin:** May be harmful if absorbed through skin. May cause skin irritation.

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May be harmful if inhaled.

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### Section 3 – Composition/Information on Ingredients

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<b>Name:</b> Tris	<b>CAS Number:</b> 77-86-1
<b>Name:</b> EDTA	<b>CAS Number:</b> 60-00-4
<b>Name:</b> Hepatitis C Viral RNA	

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### Section 4 – First Aid Measures

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**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes) occasionally lifting the upper and lower eyelids. Contact a physician.

**Skin Contact:** Immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse. Contact a physician.

**Inhalation:** Move to fresh air. Contact a physician.

**Ingestion:** Wash out mouth with water provided person is conscious. Contact a physician.

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### Section 5 – Fire-Fighting Measures

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**Flammability of the Product:** Unknown.

#### Extinguishing Media

**Suitable:** Use an extinguishing agent suitable for the surrounding fire.

**Not Suitable:** None known.

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### Section 6 – Accidental Release Measures

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**Personal Precaution:** To minimize contact wear laboratory safety goggles, laboratory coat, and nitrile or latex gloves. Avoid breathing material.

**Environmental precautions:** Disinfect material before disposal.

**Spill Containment:** Take up with an absorbent material. Disinfect area with 3% hydrogen peroxide followed by 70% isopropyl alcohol.

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### Section 7 – Handling and Storage

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**Handling:** BSL-2 practices, containment equipment facilities are recommended for all activities utilizing known or potentially infectious body fluids and tissues. In addition to these recommended precautions, persons working with HBV, HCV, or other bloodborne pathogens should consult the OSHA Bloodborne Pathogen Standard. This product should be handled in accordance with biosafety guidelines defined in the BMBL, NIH-CDC HHS Publication No. 93-8395.

**Storage:** -70°C or lower.

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### Section 8 – Exposure Controls/Personal Protection

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**OSHA PEL/NIOSH REL:** Contains no substances with occupational exposure limit values.

**Ventilation:** Work in a biological safety cabinet to reduce the possibility of exposure.

**Respiratory Protection:** N/A

**Hand Protection:** Wear latex or nitrile gloves.

**Eye Protection:** N/A

**Skin Protection:** Wear a laboratory coat.

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### Section 9 – Physical and Chemical Properties

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**Appearance:** Clear

**liquid. Odor:** Odorless.

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### Section 10 – Stability and Reactivity

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**Stability:** No specific data.

**Conditions to avoid:** No specific data.

**Materials to avoid:** No specific data.

**Hazardous Decomposition or By-Products:** No specific data.

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### Section 11 – Toxicological Information

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**LDSO:** Unknown.

**LCSO:** Unknown.

**Eyes:** N/A

**Skin:** N/A

**Ingestion:** N/A

**Inhalation:** N/A

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### Section 12 – Ecological Information

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**Ecological Information:** Avoid release to the environment.

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### Section 13 -Disposal Considerations

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**Disposal Methods:** Dispose of in accordance with any federal, state or local guidelines.

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### Section 14 -Transport Information

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**D.O.T.:** Class 6, Division 6.2 (UN3373)

**Proper Shipping Name:** Biological substance Category B

**IATA:** Class 6, Division 6.2 (UB3373)

**Proper Shipping Name:** Biological substance Category B

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### Section 15– Regulatory Information

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#### U.S Federal Regulations

**OSHA Hazard:** Biohazardous.

**SARA302/304/311/312 Extremely Hazardous Substances:** N/A

**SARA313:** N/A

#### Canada

**WHMIS Classification:** Class D, Division 3

**International Regulations:** WHO/HSE/GCR/2015.2: UN3373

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### Section 16– Other Information

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The above information is believed to be accurate but does not purport to be all inclusive and shall be used only as a guide. Advanced Biotechnologies, Inc. shall not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be

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used with caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist.

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