

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name: Human Heart Total RNA

Catalog Number: HR-801

Supplier: AMS Biotechnology (Europe) Ltd

Contact: +44 (0) 1235 828200 (Tel) or +44 (0) 1235 8204825 (Fax), info@amsbio.com, www.amsbio.com

Validation Date: 12/15/2011

MSDS#

Component/Item (and Parts number if listed)

Total RNA or mRNA

Section 2. Composition and Information on Hazardous (OSHA) Ingredients

All components of the products are considered non-hazardous. As yet, the chemical, physical, and toxicological properties of these products have not been thoroughly investigated. These products contain EDTA buffers and this MSDS is written to apply to general reagents.

Section 3. Hazards Identification

Review approved and the most current institutional guideline, protocol, SOP(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this BCI product.

Primary Routes of Entry:

Skin Absorption (**No**); Dermal/skin contact (**Yes**); Eye contact (**Yes**); Inhalation (**No**); Ingestion (**Yes**); Chronic Exposure (**No**).

Medical Conditions Aggravated by Exposure: Not available.

Potential Acute Health Effects: Adverse health effects are not expected from the use of this product.

Carcinogenic Effects: Not listed by NTP, IARC or OSHA.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Section 4. First Aid Measures

Emergency First Aid Procedures: Wash affected area with water for at least 15 minutes. See physician.

Section 5. Fire Fighting Measures

Special Fire Fighting: N/A

Section 6. Accidental Release Measures

If released or spilled Absorb on neutral material. Wash area thoroughly.

Section 7. Handling and Storage

See User's Manual for storage information.

Section 8. Exposure Controls and Personal Protection

Effects of Overexposure: N/A

Ventilation: General ventilation

Eye Protection: Use general eye protection-goggles.

Handling and Storage: Wear appropriate protective clothing and gloves. Store in cold.

Respiratory Protection: None needed

Protective Glove: General lab safe gloves

Section 9. Physical and Chemical Properties

Appearance: Solution.
Boiling Point: 100°C
Specific Gravit: N/A
Vapor Density & Pressure: N/A
Solubility in H₂O: Soluble

Section 10. Stability and Reactivity

Stability and Reactivity: The product is stable
Incompatibility: N/A
Hazardous Decomposition Products: N/A

Section 11. Toxicological Information

N/A

Section 12. Ecological Information

The product itself and its products of degradation are not toxic.

Section 13. Disposal Considerations

Please consult local, state and federal regulation on additional guidance on disposal.

Section 14. Transport Information

Contact BCI for all transport information.

Section 15. Regulatory Information

N/A.

Section 16. Other Information

Validated by BCI Administration on 12/15/2011. Verified by BCI Administration and Printed on 12/29/2011.

Notice to Reader

The information contained in this MSDS was obtained from sources we believe are reliable. However, the above information is provided without warranty, expressed or implied, regarding its correctness. AMSBIO makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages thereto. The data are offered solely for your consideration, investigation, and verification. These suggestions should not be confused with either state, municipal, or insurance requirements, or with national safety codes and constitute no warranty. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state, and local regulations.

N/A - Not applicable or no information available.