

**DEB™ DNA Extraction Buffer**

**Latest revision date:** September 2020

**Revision:** 1

**SDS prepared by:** Amplyus

**SECTION 1 — IDENTIFICATION**

**Product name:** DEB™ DNA Extraction Buffer

**Catalog or product number:** RG-1020-02

**Product use:** This product is for education and research use only

**Supplier:**

Amplyus LLC

1770 Massachusetts Avenue, Suite 167

Cambridge, MA 02140

Phone: 1-781-990-8727

Fax: 888-317-0512

**CHEMTREC Emergency Telephone Number:** 1-800-262-8200

**SECTION 2 — HAZARDS IDENTIFICATION**

**Hazard class:** Not a dangerous substance or mixture according to the Global Harmonized System (GHS)

**Hazard statement(s):** Product contains No substances which at their given concentration, are considered to be hazardous to health.

**Precautionary statement(s):** N/A

**Hazards not otherwise classified:** N/A

**SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	%	CAS Number

**SECTION 4 — FIRST AID MEASURES**

**General information:** No special measures required

**Eye contact:** Flush opened eye immediately with plenty of water. If irritation persists, get medical attention.

**Skin contact:** Wash off immediately with plenty of soap and water. If irritation develops, get medical attention.

**Inhalation:** Move to fresh air. If breathing becomes difficult, call a physician.

**Ingestion:** Rinse mouth with water. Seek medical attention and appropriate follow-up.

**SECTION 5 — FIRE-FIGHTING MEASURES**

**Conditions of flammability:** Not flammable

**Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, water spray, or alcohol resistant foam.

**Special protective equipment for firefighters:** Wear self-contained breathing apparatus for fire-fighting if necessary.

**Hazardous combustion products:** N/A

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Prevent skin/eye contact. Wear personal protective equipment as needed.

**Environmental precautions:** No special measures required.

**Methods and materials for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

## SECTION 7 — HANDLING AND STORAGE

**Precautions for safe handling:** No special measures required.

**Conditions for safe storage:** No special measures required. Store at -20 °C.

**Incompatible products:** N/A

## SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

**Engineering controls:** Not required. General room ventilation is adequate for use of this product.

**Personal protective measures:** Wash hands thoroughly after handling. Do not eat, drink or smoke when handling this product.

**Personal protective equipment:**

- **Skin protection:** protective gloves, appropriate protective clothing
- **Eye protection:** safety glasses

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

**Form:** solution

**Color:** colorless

**Odor:** not defined

**Odor threshold:** No data available

**pH:** No data available

**Melting point/freezing point:** No data available

**Boiling point:** No data available

**Flash point:** No data available

**Evaporation rate:** No data available

**Ignition temperature:** No data available

**Autoignition temperature:** No data available

**Lower explosion limit:** No data available

**Upper explosion limit:** No data available

**Vapor pressure:** No data available

**Vapor density:** No data available

**Relative density (water = 1):** No data available

**Water solubility:** No data available

**Partition coefficient (n-octanol/water):** No data available

**Viscosity:** No data available

## SECTION 10 — STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions.

**Incompatible materials to avoid:** Strong acids or bases, strong oxidizers.

**Hazardous decomposition products:** N/A

## SECTION 11 — TOXICOLOGICAL INFORMATION

**Acute toxicity LD/LC50 values:** No data available

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**Reproductive toxicity:** No data available

**Teratogenicity:** No data available

**Carcinogenicity:** No components of this product are listed by IARC, NTP, and OSHA.

## SECTION 12 — ECOLOGICAL INFORMATION

**Toxicity:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**PBT assessment:** No data available

**vPvB assessment:** No data available

**Other adverse effects:** No data available

## **SECTION 13 — DISPOSAL CONSIDERATIONS**

**Product:** Dispose of waste in accordance with applicable national, regional, or local regulations. Do Not allow product to reach ground water, water course, or sewage system.

**Contaminated packaging:** Dispose of packaging in accordance with applicable national, regional, or local regulations.

## **SECTION 14 — TRANSPORT INFORMATION**

This substance is considered to be non-hazardous for transport.

## **SECTION 15 — REGULATORY INFORMATION**

**SARA 302/304 (40CFR355.30/40CFR355.40):** This material does not contain any components with a section 302 EHS TPQ or a section 304 EHS RQ

**SARA 313:** Substance not listed

**SARA 311/312:** No SARA hazards

**California Proposition 65:** Substance not listed

**Massachusetts right to know:** Substance not listed

## **SECTION 16 — OTHER INFORMATION**

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the above mentioned products