

Low EDTA TE, pH 8.0

Section 1. Identification

**Product Identifier**

Catalog Number: 90296

Recommended use of the chemical and restrictions on use  
For research use only. Not intended for human or animal diagnostic or therapeutic uses

Manufacture/Supplier Details: Swift Biosciences, Inc.  
58 Parkland Plaza, Suite 100  
Ann Arbor, MI 48103  
Telephone Number: (734) 330-2568

**Emergency Telephone Numbers**

CHEMTREC Emergency Phone Number: 1-800-424-9300  
*Chemtrec should only be called in a chemical emergency (spill, leak, fire, exposure, or accident)*

Section 2. Hazard Identification

Classification of the substance/mixture: Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements**

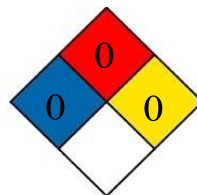
The substance is classified and labeled according to the Globally Harmonized System (GHS). Not a hazardous substance or mixture.

Hazard statements: None  
Signal word: None  
Precautionary Statements: None

HMIS rating (Scale 0-4):

HEALTH	0
FIRE	0
REACTIVITY	0

NFPA Rating:



Hazards not otherwise classified: None

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Section 3. Composition/Information on Ingredients

Chemical Name	Identifiers	Hazardous	Approximate Percentage %
Tris base	CAS: 77-86-1	nonhazardous	0.12%
EDTA	CAS: 60-00-4	nonhazardous	0.003%
Hydrochloric Acid	CAS: 7647-01-0	nonhazardous	To pH
Water	CAS: N/A	nonhazardous	N/A

**Chemical Characterization:** Mixture

Any concentration shown as a range or N/A is to protect confidentiality or is due to batch variation.

Section 4. First-Aid Measures

Description of necessary measures

- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
- Skin:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops or persists.
- Eye:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Ingestion:** Do not induce vomiting. Get medical attention if adverse health effects develop or persist.

**Most important symptoms/effects, acute and delayed**

No further relevant information available

**Indication of any immediate medical attention and special treatment needed**

All treatment should be based on observed sign and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5. Fire Fighting Measures

**Extinguishing media:**

Suitable extinguishing media:

This is a nonflammable solution.

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing:

None known

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**Special hazards arising from the substance or mixture**

Unusual fire and explosion hazards:	No specific fire or explosion hazard.
Hazardous Combustions products:	None known
Special protective equipment and precautions for the fire-fighters	No special measures required.

Section 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

**Environmental precautions**

Avoid run off to waterways and sewers.

**Methods and materials for containment and cleaning up**

Absorb with liquid-binding material. Dispose contaminated material as waste according to item 13.

Section 7. Handling And Storage

Precautions for safe handling:	No special handling requirements for normal use of this material.
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**Conditions for safe storage, including and incompatibilities**

Storage:	Keep labeled container tightly closed and upright.
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Incompatible materials or Ignition sources:	Keep away from strong oxidizers.
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Section 8. Exposure Controls/Personal Protection

**Control parameters**

Occupational exposure Limit values:	Contains no substances with occupational exposure limit values.
Appropriate engineering controls:	General industrial hygiene practice.

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**Personal protective equipment**

Eye protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)

Hand Protection:

Protective gloves. The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Respiratory Protection:

None required under normal conditions of use.

Skin and body protection:

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Environment exposure controls

Prevent product from entering drains.

**Section 9. Physical And Chemical Properties**

Appearance	: Clear liquid
Odor	: none
Odor Threshold	: no data available
pH	: no data available
Melting point/freezing point	: no data available
Initial boiling point & boiling range	: no data available
Flash point	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Partition coefficient	: no data available
Vapor pressure	: no data available
Vapor density	: no data available
Relative density (water)	: no data available
Solubility	: Soluble in water
Upper/lower flammability or explosive limits	: no data available
Auto-ignition temperature	: no data available
Decomposition temperature	: no data available
Viscosity	: no data available
Other information:	None

**Section 10. Stability And Reactivity**

Reactivity:

No specific test data related to reactivity available for this product or its ingredients.

Chemical stability

Stable under recommended storage conditions.

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Possibility of hazardous reactions Under normal conditions of storage and used, hazardous reactions should not occur.

Conditions to avoid No specific data

Incompatible materials No specific data

Hazardous decomposition products: Under normal conditions of storage and used, hazardous decomposition products should not be produced.

**Section 11. Toxicological Information**

**Information on toxicological effects**

**Acute toxicity**

Product/Ingredient Name	CAS	Result	Species	Dose	Exposure
DNA Suspension Buffer, pH 8.0	No information available	No information available	No information available	No information available	No information available

**Irritation/Corrosion**

Product/Ingredient Name	Result	Species	Score	Exposure/Observation
DNA Suspension Buffer, pH 8.0	No information available	No information available	No information available	No information available

Sensitization: Not available

Mutagenicity: Not available

**Carcinogenicity**

Product/Ingredient Name	OSHA	IARC	NTP
DNA Suspension Buffer, pH 8.0	None of the ingredients listed	None of the ingredients listed	None of the ingredients listed

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Reproductive toxicity: Not available  
 Teratogenicity: Not available  
 Specific target organ toxicity- single exposure Not available  
 Specific target organ toxicity- repeated exposure Not available  
 Aspiration Hazard Not available

**Information on the likely routes of exposure**

Routes of entry anticipated: Oral

**Notes:** Water hazard class 1 (self-assessment): slightly hazardous for water

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact:** No specific data  
**Inhalation:** No specific data  
**Skin contact:** No specific data  
**Ingestion:** No specific data  
**Aspiration Hazard:** No specific data

**Delayed and immediate effects and also chronic effects from short and long term exposure**

No known significant effects or critical hazards.

**Numerical measures of toxicity**

Not available

Section 12. Ecological Information

**Toxicity**

Product/ingredient name	Result	Species	Exposure
DNA Suspension Buffer, pH 8.0	No information available	No information available	No information available

**Persistence and degradability:** Not available

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<b>Bioaccumulative potential</b>	Not available
<b>Mobility in soil</b>	Not available
<b>Other adverse effects</b>	Not available
<b>Aspiration Hazard</b>	No known significant effects or critical hazards.

Section 13. Disposal Considerations

**Waste treatment methods**

**Product waste:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

**Packaging waste:** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

Section 14. Transport Information

	UN Number	UN proper shipping name	Transport hazard class(es)	Packaging group	Environmental Hazards
<b>DOT</b>	Not regulated	No information available	No information available	No information available	none
<b>IMDG</b>	Not regulated	No information available	No information available	No information available	none
<b>IATA</b>	Not regulated	No information available	No information available	No information available	none

**Transport in bulk according to Annex II of Marpol 73/78 and the IBC code**

This product is provided only in non-bulk containers

**Special Precautions for user**

None specified

**IATA:**

**Proper shipping name:** Classified as non-hazardous in the meaning of transport regulations.

**DOT:** This substance is considered to be non-hazardous for transport. No shipping name required.

**Hazard Class** None

**Subsidiary class** None

**Packing group** None

**UN-No** None

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Marine Pollutant            No

Section 15. Regulatory Information

Safety health and environmental regulations/ legislation specific for the substance or mixture

<b>Sara:</b>	Not applicable
<b>Section 355 (Extremely hazardous substances):</b>	Substance is not listed
<b>Section 313 (Specific toxic chemical listings):</b>	Substance is not listed
<b>SARA 311/312 Hazards:</b>	Substance is not listed
<b>TSCA (Toxic substances control act):</b>	
<b>Proposition 65, PICCS, ENCS, DSL, ALCS:</b>	Substance is not listed
<b>Chemicals known to cause cancer:</b>	Substance is not listed
<b>Chemicals known to cause reproductive toxicity or females:</b>	Substance is not listed
<b>Chemicals known to cause reproductive toxicity for males:</b>	Substance is not listed
<b>Chemicals known to cause developmental toxicity:</b>	Substance is not listed
<b>Carcinogenic categories:</b>	
<b>EPA (Environmental protection agency):</b>	Substance is not listed
<b>TLV (Threshold limit value established by ACGIH):</b>	Substance is not listed
<b>NIOSH-CA (National institute for occupational safety and health)</b>	Substance is not listed
<b>OSHA-CA (occupational safety &amp; health administration):</b>	Substance is not listed
<b>GHS label elements:</b>	The product is classified and labeled according to the Globally Harmonized System (GHS).
<b>Hazard pictograms:</b>	Not applicable
<b>Decomposition temperature:</b>	Not applicable
<b>Viscosity:</b>	Not applicable
<b>Signal Word:</b>	Not applicable
<b>Hazard-determining components of labeling:</b>	Not applicable
<b>Hazard statements:</b>	Not applicable
<b>Precautionary statements:</b>	Not applicable
<b>National regulations:</b>	Substance is not listed
<b>State right to know:</b>	Substance is not listed
<b>Chemical safety assessment:</b>	A Chemical Safety Assessment has not been carried out.
<b>Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61):</b>	This product does not contain HAPs.
<b>WHMIS hazard class:</b>	This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.



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Section 16. Other Information
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**Disclaimer/Statement of Liability:** The information contained herein is believed to be accurate but is not warranted to be so. Data and calculation are based on information furnished by the manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in section 1.

**Warranty**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Swift Biosciences, Inc Shall not be held liable for any damage resulting from handling or from contact with the above product. Swift Biosciences, Inc

**Key to abbreviations:** NDA= No data available

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