SECTION 1 - SUBSTANCE IDENTITY AND COMPANY INFORMATION

Product Name: Trypsin-EDTA, in Hanks Balanced Salt Solution, 0.25% Trypsin and 1mM EDTA, without Ca and Mg

ATCC Catalog #: 30-2101

COMPANY INFORMATION: AMERICAN TYPE CULTURE COLLECTION

FOR INFORMATION CALL: 800-638-6597 or 703-365-2700

CHEMTREC EMERGENCY: 800-424-9300 or 703-527-3887

SECTION 2 - HAZARDS IDENTIFICATION

GHS symbol: None Applicable.
GHS Hazard Cat.: None Applicable.
GHS Signal Word: None Applicable.
GHS Hazard Statement: None Applicable.

HMIS Rating: Health: 0 Flammability: 0 Reactivity: 0
NFPA Rating: Health: 0 Flammability: 0 Reactivity: 0

Routes of Exposure
Skin Contact: No information available.
Skin Absorption: No information available.
Eye Contact: No information available.
Inhalation: No information available.
Ingestion: May be harmful if swallowed.
Chronic: No Information Found

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Trypsin-EDTA, In Hank's Balanced Salt Solution, 0.25% Trypsin and 1mM EDTA, without Ca and Mg.

<table>
<thead>
<tr>
<th>Dangerous Components</th>
<th>EINECS or ELINCS No.</th>
<th>CAS No.</th>
<th>Content (weight percent)</th>
<th>EU Hazard Symbol Letters</th>
<th>R Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trypsin</td>
<td>232-650-8</td>
<td>9002-07-7</td>
<td>&lt; 1%</td>
<td>Xn</td>
<td>R36/37/38 R42</td>
</tr>
<tr>
<td>Sodium Chloride</td>
<td>231-598-3</td>
<td>7647-14-5</td>
<td>&lt; 1%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Non-Dangerous Components | EINECS or ELINCS No. | CAS No. | Content (weight percent) | EU Hazard Symbol Letters | R Phrases
--- | --- | --- | --- | --- | ---
Proprietary Ingredient | Mixture | Mixture | < 1% | N/A | N/A
Water | 231-791-2 | 7732-18-5 | > 98% | N/A | N/A

Proprietary ingredient = HBSS

- KCl: 400mg/l; CAS# 7447-40-7
- KH₂PO₄: 60mg/l; CAS# 7778-77-0
- NaCl: 8000mg/l; CAS# 7647-14-5
- NaCHO₃: 350mg/l; CAS# 144-55-8
- Na₂HPO₄: 48mg/l; CAS# 7558-79-4
- D-Glucose: 1000mg/l; CAS# 492-62-6

EDTA: 4N₈H₂O CAS# 10378-23-1

### SECTION 4 - FIRST AID MEASURES

**Ingestion:** Seek medical attention immediately. If person is unconscious seek emergency medical attention; never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by a physician. Possible gastrointestinal irritation causing nausea and vomiting.

**Inhalation:** If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician. Possible respiratory tract and mucous membrane irritation.

**Dermal exposure:** Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing. Seek immediate medical attention. Possible skin irritation.

**Eye exposures:** Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician. Seek medical attention immediately. Possible eye irritation.

**Notes to Physician:** Treat symptomatically and supportively.

### SECTION 5 - FIRE FIGHTING MEASURES

**General:** This product does not require the use of any additional firefighting equipment beyond what is appropriate to the surrounding fire.
Extinguishing Media: Use extinguishing media appropriate for the surrounding fire. This product is compatible with commercially available extinguishing media.

Autoignition Temperature: N/A

Explosion limits: N/A

Flash Point: Not Available

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Use Personal Protective Equipment: Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Spills: Avoid creating Aerosols. Use an Inert Material to Absorb the Spill. Clean up spills immediately, observing precautions in the Sections 6 and 8. Provide ventilation.

SECTION 7 - HANDLING AND STORAGE

Handling: Seek appropriate training to safely handle this product under normal conditions. Use the recommended personal protective equipment (See Section 8) to prevent chemical exposures. Wash hands with soap and water before eating, drinking, or touching common items (phone, computer, etc.) to prevent cross contamination. Use this product with adequate ventilation. See product technical data sheet for details.

Storage: Keep in properly labeled containers.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment: Including Safety Glasses or goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Exposure Limits: No exposure limits for this material have been established by ACGIH, NIOSH, or OSHA. There are no Vacated OSHA PEL for this material.
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Orange/Red Liquid
pH: 7.2

No Information is available for Flash Point, Vapor Pressure, Vapor Density, Evaporation Rate, Viscosity, Boiling Point, Freezing/Melting Point, Decomposition Temperature, Solubility, Specific Gravity/Density, or Molecular Weight.

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal operating conditions and use as described in the product data sheet.

Conditions to Avoid: Strong acids or bases, strong oxidizers, extreme temperatures, lithium, bromine trifluoride.

Hazardous Decomposition Products: Heating to decomposition temperature may produce carbon monoxide, carbon dioxide, nitrogen oxides, toxic fumes of hydrochloric acid and disodium oxide.

Hazardous Polymerization: No data available.

SECTION 11 - TOXICOLOGICAL INFORMATION

No Information was found in relation to: RTECS, LD50/LC50, Carcinogenicity, Epidemiology, Teratogenicity, Reproductive effects, Mutagenicity, or Neurotoxicology.

Note: The toxicological properties of this substance have not been fully investigated.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity information for this product as a whole does not exist.

SECTION 13 - DISPOSAL CONSIDERATIONS

Hazardous waste generators are required to determine if a discarded chemical is classified as a hazardous waste according to 40 CFR Part 261.3. In addition waste generators must consult about and comply with all state and local regulations to ensure compliance.

SECTION 14 - TRANSPORT INFORMATION
Land Transport (ADR/RID): Not a dangerous good in sense of this transport regulation.
Inland Water ways transport (ADN): Not a dangerous good in sense of this transport regulation.
Sea Transport (IMDG): Not a dangerous good in sense of this transport regulation.
Air Transport (ICAO-TP / IATA-DGR): Not a dangerous good in sense of this transport regulation
DOT Classification: Not a DOT controlled material (United States)

SECTION 15 - REGULATORY INFORMATION

This substance is not listed on the TSCA Inventory. It is for research and development use only.
This substance is not SARA listed.

US Federal Regulations: SARA 313: This product is not regulated by SARA CAA, Section 112, Hazardous Air Pollutants (HAPs) (40 CFR 61): This product does not contain HAPs.

US State Regulations: California Proposition 65: This product does not contain chemicals listed under Proposition 65.

SECTION 16 - OTHER INFORMATION

Date reviewed – June 9, 2016

THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE CORRECT BASED UPON DATA AVAILABLE TO ATCC. USERS SHOULD MAKE AN INDEPENDENT DECISION REGARDING THE ACCURACY OF THIS INFORMATION BASED ON THEIR NEEDS AND DATA AVAILABLE TO THEM. ALL SUBSTANCES AND MIXTURES MAY PRESENT UNKNOWN HAZARDS AND ALL NECESSARY SAFETY PRECAUTIONS SHOULD BE TAKEN. ATCC ASSUMES NO LIABILITY RESULTING FROM USING OR COMING IN CONTACT WITH THIS SUBSTANCE.

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