

SAFETY DATA SHEET

According to the Occupational Safety and Health Standards Hazard Communication Standard (CFR29 1910.1200) HazCom 2012

Trade Name: TRIS Elution Fluid

Product No: HC08001



SECTION 1: IDENTIFICATION

1.1 Product Identifier: HC08001 Elution Fluid Can - TRIS

Substances

Substance Name: Water (>99.9%) CAS #7732-18-5

Substance Name: Tris 25 mM CAS# 77-86-1

Substance Name: Tween 20 (0.075%) CAS#9005-64-5

Substance Name: Carbon Dioxide CAS# 124-38-9

1.2 Relevant Identified Use of the Substance

TRIS Elution fluid for use with the InnovaPrep Concentrating Pipette™ (CP-150 and CP Select) as a reagent

1.3 Details of the Supplier of the Safety Data Sheet

Supplier: InnovaPrep LLC

132 East Main St

Drexel, MO 64742

816-619-3375

info@innovaprep.com

1.4 Emergency Telephone Number

Emergency Phone: For hazardous or Dangerous Goods incident- spill, leak, fire, exposure, or accident call

InnovaPrep Environmental Health and Safety. +1-816-506-2843

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Gas under pressure

2.2 Label Elements

Signal word: Warning

Hazard Statements: All Chemicals are potentially dangerous. They should be handled by specially trained personnel.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

3.2 Mixtures

Description of the mixture: Aqueous solution of Phosphate-buffered saline under pressure with carbon dioxide (125 psi)

Dangerous Components

SUBSTANCE NAME	CAS NO.	CONCENTRATION	GHS-US CLASSIFICATION
Tris 25 mM	77-86-1		Skin irrit. Eye irrit. Metal:
Tween 20	9005-64-5	0.075%	Skin irrit. Eye irrit. Metal:
Carbon Dioxide	124-38-9		Skin irrit. Eye irrit. Metal:

SECTION 4 FIRST AID MEASURES

4.1 Description of First Aid Measures

General advice: Standard laboratory practice of wearing laboratory coats and safety glasses. Gloves are recommended.

Inhalation: May be harmful if inhaled. Supply fresh air. Consult doctor in case of complaints.

Skin contact: May irritate skin. Immediately wash with soap and water.

Eye contact: May cause irritation to eyes. Immediately Flush Eyes With Copious Amounts Of Water For At Least 15 Minutes. Assure Adequate Flushing By Separating The Eyelids With Fingers. Call A Physician.

Ingestion: Maybe harmful if swallowed. Wash mouth with water and seek medical advice.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

No further information available.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

No further information available.

SECTION 5 FIREFIGHTING MEASURES

5.1 Extinguishing

Suitable extinguishing media: Alcohol resistant foam, dry chemical or carbon dioxide. Use measures appropriate to location and situation.

Unsuitable extinguishing media: No further information available.

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5.2 Special Hazards Arising From The Substance or Mixture

Contents under pressure (carbonated) at 125 psi.

5.3 Precaution for Firefighters

Cans may burst if heated. Prevent contact with skin and eyes. Wear full protective equipment including self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures.

No specific measures necessary.

6.2 Environmental Precautions

Dilute with plenty of water.

6.3 Methods and Material for Containment and Cleaning Up

Absorb with liquid-binding material.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Protective measures: Wear laboratory coats, safety glasses and gloves.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical measures and storage conditions:

Recommended storage temperature: Room temperature

7.3 Specific End Uses

Specific end uses:

Test reagent, not for consumption or drug use.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.1 Control Parameters

8.2 Controls

Personal protective equipment: The usual precautionary measures are to be adhered to when handling chemicals.

Eye / Face protection: Use safety glasses. Ensure that eyewash stations and safety showers are proximal to the work station.

Skin protection: Gloves and laboratory coat

Respiratory protection: Not applicable

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Appearance

Form: Liquid

Color: Colorless

Odor: Odorless

Safety Data:

pH	5-6	Water solubility / Water Miscibility	Fully Miscible
Melting Point / Range	Not Determined	Explosive Properties	No Data Available
Boiling Point / Range	Not Determined	Vapor Pressure	No Data Available
Flash Point	Not Applicable	Oxidizing Properties	May Intensify Fire, Oxidizer
Self Igniting	Not Self-igniting	Explosive Limits	No Data Available
Upper / Lower Flammability or Explosive Limits	No Data Available	SADT	
Density	Not Determined		

SECTION 10 STABILITY AND REACTIVITY

10.1 Chemical Stability

Stable under recommended storage conditions.

10.2 Possibility of Hazardous Reactions

Reacts with oxidizing agents, acids.

10.3 Conditions to Avoid

No Data Available.

10.4 Incompatible Materials

No Data Available.

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10.5 Hazardous Decomposition Products

No Data Available.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute Toxicity: No Data Available.

Skin Corrosion/Irritation: May cause skin irritation.

Eye damage/irritation: May cause eye irritation.

After Inhalation: May be harmful if swallowed.

Germ Cell Mutagenicity: No Data Available.

Reproductive Toxicity: No Data Available.

Specific Target Organ Toxicity – Repeated Exposure: No Data Available.

Additional Information: May be harmful if swallowed.

SECTION 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Not Data Available.

12.2 Persistence and Degradability

Not Data Available.

12.3 Bioaccumulative Potential

Not Data Available.

12.4 Mobility in Soil

Not Data Available.

12.5 Results of PBT and vPvP Assessment

Not Data Available.

12.6 Other Adverse Effects

Not Data Available.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Product: Dilute with water and flush to waste.

Container: Dispose according to all federal, state and local applicable regulations. Consult your local or regional authorities.

SECTION 14 TRANSPORT INFORMATION

14.1 Land Transport DOT

Non Hazardous Material

DOT Classification: Consumer Commodity

14.2 Air Transport IATA

Non Hazardous Material.

Aerosols Non-Flammable

UN# 1950

Non-Flammable 2.2

Packing Instructions: Y203



14.3 Sea Transport MTS

Non Hazardous Material.

14.4 Special Precautions for Users

Not Applicable

SECTION 15 REGULATORY INFORMATION

This Safety Data Sheet complies with the requirement of Hazard Communication Standard (CFR29. 1910.1200).

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture.

All components of the product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2 Chemical Safety Assessment

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 OTHER INFORMATION

None

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