Section 1 - Product and Company Information

Product Name: TRYPSIN 10X SOLUTION CELL CULTURE TESTED
Product Number: T549
Brand: Sigma Chemical
Company: Sigma-Aldrich
Street Address: 3550 Spruce Street
City, State, Zip, Country: SAINT LOUIS, MO 63103 US
Technical Phone: 314 771 5765
Emergency Phone: 414 273 3650 Ext. 5996
Fax: 800 325 5052

Section 2 - Composition/Information on Ingredient

Substance Name: TRYPSIN 10X SOLUTION
CAS #: None
SARA 313: No

Formula: Parenzyme, Parenzymol, Trypsin, Trypure, U-4858

Section 3 - Hazards Identification

Emergency Overview: Harmful. May cause sensitization by inhalation and skin contact. Irritating to eyes, respiratory system, and skin.

HMIS Rating:
Health: 1
Flammability: 0
Reactivity: 0

NFPA Rating:
Health: 1
Flammability: 0
Reactivity: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Dermal Exposure: In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A

Extinguishing Media:
Suitable: Noncombustible. Use extinguishing media appropriate to surrounding fire conditions.

Firefighting
Protective Equipment:
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s):
Emit toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Protection(s):
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up:
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling:
Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage:
Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

Engineering Controls:
Mechanical exhaust required. Safety shower and eye bath.

Personal Protective Equipment:
Respiratory:
Government approved respirator. Hand
Compatible chemical-resistant gloves. Eye
Chemical safety goggles.

Section 9 - Physical/Chemical Properties

Appearance:
Physical State: Liquid

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Section 10 - Stability and Reactivity

Stability
Stable

Materials to Avoid
Strong oxidizing agents.

Hazardous Decomposition Products
Hazardous Decomposition Products
Nature of decomposition products not known.

Hazardous Polymerization
Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

Route of Exposure
Skin Contact
Causes skin irritation.

Skin Absorption
May be harmful if absorbed through the skin.

Eye Contact
Causes eye irritation.

Inhalation
Material is irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Contact a licensed hazardous waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

EU Additional Classification
Symbol of Danger: Xn
Indication of Danger
Harmful.

Risk Statements
R: 42/43 36/37/38
May cause sensitization by inhalation and skin contact. Irritating to eyes, respiratory system, and skin.

Safety Statements
S: 25 36
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear protective clothing.

Ingestion
May be harmful if swallowed.

Sensitization
Sensitization
May cause allergic respiratory and skin reactions.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RETECS Number: YN507900

Toxicity Data
Oral - Rat: > 5,000 mg/kg (LD50)
Intraperitoneal - Rat: >51 mg/kg (LD50)
Intravenous - Rat: 36 mg/kg (LD50)
Intramuscular - Rat: 200 mg/kg (LD50)
Oral - Mouse: 1,450 mg/kg (LD50)
Intraperitoneal - Mouse: 100 mg/kg (LD50)
Intravenous - Mouse: 1,110 mg/kg (LD50)
Intramuscular - Mouse: 105 mg/kg (LD50)

Chronic Exposure - Mutagen
Species
Hamster

Dose
100 PPM

Cell Type
berblast

Mutation test
DNA damage
US Classification and Label Text
Indication of Danger
Harmful.
Risk Statements
May cause sensitization by inhalation and skin contact. Irritating to eyes, respiratory system, and skin.
Safety Statements
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

United States Regulatory Information
SARA Listed: No
TSCA Inventory Item: Yes

Canada Regulatory Information
WHMIS Classification
This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: No
NDSSL: No

Section 16 - Other Information

Disclaimer
Caution for manufacturing, processing, or repacking.

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. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2003 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

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