

1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product name: **Total Protein (CATALOG No. HT928,HT728,HT428,OT928)**

Product Use: For quantitative determination of Total Protein in serum using Hitachi Analyzers.

Supplier: **POINTE SCIENTIFIC INC.**
5449 Research Drive
Canton, Michigan 48188
Ph: 1-734-487-8300
Fax: 1-734-483-1592
Email: info@pointescientific.com

Emergency: Pointe Scientific, Inc. Tel. 1-800-445-9853

2. HAZARD(S) IDENTIFICATION

R1:

Hazard Classifications:

Acute Toxicity, Oral (Category 4)
Skin Corrosion/Irritation (Category 1)
Serious Eye Damage/Irritation (Category 1)



Signal Word: Danger

Hazard Statements

H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage

Precautionary Statements

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray
P264: Wash skin thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P280: Wear protective gloves/protective clothing/eye protection/ face protection

Response:

P310: Immediately call a POISON CENTER or doctor/physician
P363: Wash contaminated clothing before reuse
P301 + P330 + P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower
P304 + P340: IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing

Storage:

P404: Store in a closed container.

Disposal:

P501: Dispose of contents into sewer system after diluting with large volumes of water, if in accordance with local regulations.

R2:

Hazard Classifications:

Acute Toxicity, Oral (Category 4)
Skin Corrosion/Irritation (Category 1)
Serious Eye Damage/Irritation (Category 1)



Signal Word: Danger

Hazard Statements

H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage
H318: Causes serious eye damage

Precautionary Statements

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapours/spray
P264: Wash skin thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P280: Wear protective gloves/protective clothing/eye protection/ face protection



SAFETY DATA SHEET

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P363: Wash contaminated clothing before reuse

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Storage:

P404: Store in a closed container.

Disposal:

P501: Dispose of contents into sewer system after diluting with large volumes of water, if in accordance with local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

R1: Sodium Hydroxide (CAS # 1310-73-2) 3.00%

R2: Sodium Hydroxide (CAS # 1310-73-2) 3.00%

Copper Sulfate (CAS # 7758-99-8) 0.52%

4. FIRST AID MEASURES

SKIN:

In case of contact, immediately flush area with plenty of water.

EYES:

Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

ORAL:

If ingested drink plenty of fluids and contact a physician.

INHALATION:

If inhaled move victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen, and call physician.

5. FIRE-FIGHTING MEASURES

Flammable:

NO

Extinguishing media:

As appropriate for fire in surrounding materials.

Flash point:

Not Applicable

Upper flammable limit:

Not Applicable

Lower flammable limit:

Not Applicable

Autoignition temperature:

Not Applicable

Hazardous combustion products:

No data

Explosion data**Sensitivity to mechanical impact:**

Not Applicable

Sensitivity to static discharge:

Not Applicable

Unusual fire and explosion hazards:

No Data

6. ACCIDENTAL RELEASE MEASURES

Local exhaust:

Not Required

Protective clothing:

Lab Coat

Protective gloves:

Rubber/Latex

Eye protection:

Safety glasses

Respiratory protection:

Required if inadequate ventilation

Leak and spill procedure:

Absorb small leaks or spills with sponge, mop up large spills with plenty of soap and water.

7. HANDLING AND STORAGE

Handling:

Normal precautions for handling chemicals must be observed.

Storage:

Store at room temperature

Shipping regulations:

Not regulated

8. EXPOSURE CONTROLS / PERSONNEL PROTECTION

Local exhaust:

Not Required

Protective clothing:

Lab Coat

Protective gloves:

Rubber/Latex

Eye protection:

Safety glasses

Respiratory protection:

Required if inadequate ventilation

Other precautions:

Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.



SAFETY DATA SHEET

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Reagent are provided as stable liquids.
Appearance and odor:	R1 is clear colorless solution. R2 is a blue solution.
Odor threshold:	Not Available
Vapor pressure:	Not Available
Vapor density:	Not Available
Specific gravity:	Not Available
Evaporation rate:	Not Available
Melting point:	Not Available
Boiling point:	Not Available
Solubility in water:	Not Applicable
pH:	Reagent = 13.20
Coefficient of oil/water distribution:	Not Available

10. STABILITY AND REACTIVITY

Stable:	Yes
Hazardous polymerization:	Will not occur.
Incompatibility with other substances:	Not Available
Hazardous decomposition products:	Not Available

11. TOXICOLOGICAL INFORMATION

ROUTE OF ENTRY/EXPOSURE

SKIN CONTACT: [x] EYE CONTACT: [x] INHALATION: [x] INGESTION: [x] SKIN ABSORPTION [x]

Effects of acute exposure:

SKIN CONTACT: Will cause irritation.
EYE CONTACT: Will cause irritation.
INGESTION: Will be harmful if ingested.
INHALATION: Will cause irritation to mucous membranes and upper respiratory tract.

Effects of chronic exposure: No data available.

SENSITIZATION TO PRODUCT: Not Available
SYNERGISTIC PRODUCTS: Not Available
LD50: MOPSO: Not Available

12. ECOLOGICAL INFORMATION

Water Hazard Class: Data not yet available.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Dilute with large volumes of water and dispose of into sewer system, in accordance with local regulations.

14. TRANSPORT INFORMATION

Shipping information: Not regulated

15. REGULATORY INFORMATION

Not applicable.

16. OTHER INFORMATION

The information herein is believed to be correct as of the date hereof but is provided without warranty of any kind. The recipient of our products is responsible for observing any laws and guidelines applicable.

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