POINTE SCIENTIFIC
A MEDTEST COMPANY

SAFETY DATA SHEET

1. IDENTIFICATION OF PRODUCT AND SUPPLIER

Product name: **Iron-UIBC/TIBC (CATALOG No. I7504)**

Product Use: **For the quantitative determination of iron and total iron-binding capacity in serum.**

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

Buffer:

Hazard Classifications:

Skin Corrosion/Irritation (Category 2)
Eye Damage/Irritation (Category 2)
Specific Target Organ Toxicity, Repeat Exposure; Blood and Central Nervous System (Category 1)
Skin Sensitizer (Category 1)
Carcinogen (Category 2)



Signal Word: Danger

Hazard Statements

H315: Causes skin irritation
H317: May cause an allergic skin reaction
H319: Causes serious eye irritation
H351: Suspected of causing cancer
H372: Causes damage to organs through prolonged or repeated exposure

Precautionary Statements

Prevention:

P202: Do not handle until all safety precautions have been read and understood
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P264: Wash skin thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P272: Contaminated work clothing should not be allowed out of the workplace
P280: Wear protective gloves/protective clothing/eye protection/face protection

Response:

P314: Get medical advice/attention if you feel unwell
P362: Take off contaminated clothing and wash before use
P302 + P352: IF ON SKIN: wash with plenty of soap and water.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313: IF exposed or concerned: Get medical advice/attention
P332 + P313: IF SKIN irritation occurs: Get medical advice/attention
P337 + P313: IF eye irritation persists: Get medical advice/attention

Storage:

P404: Store in a closed container.

Disposal:

P501: Dispose of contents to an approved waste disposal plant.

Color:

Hazard Classifications:

Skin Corrosion/Irritation (Category 2)
Eye Damage/Irritation (Category 2)
Specific Target Organ Toxicity, Repeat Exposure; Blood and Central Nervous System (Category 1)
Skin Sensitizer (Category 1)
Carcinogen (Category 2)



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P337 + P313: IF eye irritation persists: Get medical advice/attention

Storage:

P404: Store in a closed container.

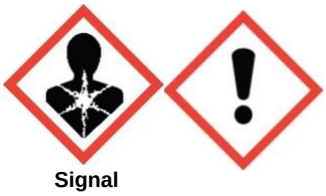
Disposal:

P501: Dispose of contents to an approved waste disposal plant.

Standard:

Hazard Classifications:

Specific Target Organ Toxicant, Repeat Exposure; Central Nervous System and Blood (Category 1)
Skin Sensitizer (Category 1)
Carcinogen (Category 2)



Signal

Hazard Statements

H317: May cause an allergic skin reaction
H351: Suspected of causing cancer
H372: Causes damage to organs through prolonged or repeated exposure

Precautionary Statements

Word: Danger

Prevention:

P202: Do not handle until all safety precautions have been read and understood
P260: Do not breathe dust/fume/gas/mist/vapour/spray
P264: Wash skin thoroughly after handling
P270: Do not eat, drink or smoke when using this product
P272: Contaminated work clothing should not be allowed out of the workplace
P280: Wear protective gloves/protective clothing/eye protection/face protection

Response:

P314: Get medical advice/attention if you feel unwell.
P363: Wash contaminated clothing before reuse.
P302 + P352: IF ON SKIN: wash with plenty of soap and water
P308 + P313: IF exposed or concerned: Get medical advice/attention
P333 + P313: IF SKIN irritation or rash occurs: Get medical advice/attention

Storage:

P404: Store in a closed container.

Disposal:

P501: Dispose of contents to an approved waste disposal plant.

UIBC Buffer:

Hazard Classifications:

Not a hazardous substance or mixture.

Pictogram:

Not required.

Signal Word:

Not required.

Hazard Statements

Not a hazardous substance or mixture.

Precautionary Statements

Not a hazardous substance or mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Buffer: Acetic Acid (CAS # 64-19-7) 5.00%
Hydroxylamine Hydrochloride (CAS # 5470-11-1) 1.53%

Color: Acetic Acid (CAS # 64-19-7) 5.00%
Hydroxylamine Hydrochloride (CAS # 5470-11-1) 1.53%
Ferrozine (CAS # 69898-45-9) 0.85%

Standard: Hydroxylamine Hydrochloride (CAS # 5470-11-1) 4.00%
Ferrous Chloride (CAS # 13478-10-9) 0.002%

UIBC Buffer: Sodium Azide (CAS # 26628-22-8) 0.05%

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: Buffer, Color, Standard- Collect spillage and dispose of to a waste disposal plant. Prevent entry into water system. UIBC Buffer- 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 between 2-8 ºC
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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquids.
Appearance and odor: Iron buffer, UIBC buffer and standard are clear and colorless. Color is a clear, slight yellow to slight brown.
Odor threshold: Iron buffer and color have a vinegar-like odor. UIBC and standard are odorless.
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: Buffer = 4.60, UIBC = 8.00
Coefficient of oil/water distribution: Not Available

10. STABILITY AND REACTIVITY

Stable: Yes
Hazardous polymerization: Will not occur.
Incompatibility with other substances: Caution, UIBC buffer contains Sodium Azides, in contact with heavy metals, may form explosive metal azides.
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: May be harmful if ingested.
INHALATION: May 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: Buffer, Color, and Standard**-** Dispose of reagent to a waste disposal plant.
UIBC buffer- Dilute with large volumes of water and dispose of into sewer system, if 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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