

**1. IDENTIFICATION OF PRODUCT AND SUPPLIER**

**Product name:** Total Iron (CATALOG No. HI704, HI404, HI904, OI904)  
**Product Use:** For quantitative determination of Iron 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](mailto: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)

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.



**Signal Word: Danger**

**Color:**

Hazard Classifications:

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

Hazard Statements

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



**Signal Word: Danger**

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  
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 + 313: 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.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

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

**Color:** Hydroxylamine Hydrochloride (CAS # 5470-11-1) 1.53%  
Ferrozine (CAS # 69898-45-9) 0.18%

### 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:** Collect spillage and dispose of to a waste disposal plant. Prevent entry into water system.

### 7. HANDLING AND STORAGE

**Handling:** Normal precautions for handling chemicals must be observed.  
**Storage:** Store between 2-8 °C  
**Shipping regulations:** Not regulated

**8. EXPOSURE CONTROLS / PERSONNEL PROTECTION**

<b>Local exhaust:</b>	Not Required
<b>Protective clothing:</b>	Lab Coat
<b>Protective gloves:</b>	Rubber/Latex
<b>Eye protection:</b>	Safety glasses
<b>Respiratory protection:</b>	Required if inadequate ventilation.
<b>Other precautions:</b>	Avoid contact and inhalation, do not get in eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical state:</b>	Liquids.
<b>Appearance and odor:</b>	Buffer is a clear, slight yellow color. Color is a clear, slight yellow to slight brown.
<b>Odor threshold:</b>	Buffer has a vinegar-like odor.
<b>Vapor pressure:</b>	Not Available
<b>Vapor density:</b>	Not Available
<b>Specific gravity:</b>	Not Available
<b>Evaporation rate:</b>	Not Available
<b>Melting point:</b>	Not Available
<b>Boiling point:</b>	Not Available
<b>Solubility in water:</b>	Not Applicable
<b>pH:</b>	Buffer=4.60
<b>Coefficient of oil/water distribution:</b>	Not Available

**10. STABILITY AND REACTIVITY**

<b>Stable:</b>	Yes
<b>Hazardous polymerization:</b>	Will not occur.
<b>Incompatibility with other substances:</b>	Not Available
<b>Hazardous decomposition products:</b>	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:**

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

**Effects of chronic exposure:** No data available.

<b>SENSITIZATION TO PRODUCT:</b>	Not Available
<b>SYNERGISTIC PRODUCTS:</b>	Not Available
<b>LD50: MOPSO:</b>	Not Available

**12. ECOLOGICAL INFORMATION**

**Water Hazard Class:** Data not yet available.

**13. DISPOSAL CONSIDERATIONS**

**Waste disposal:** Dispose of reagent to a waste disposal plant.

**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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