

**1. IDENTIFICATION**

**Product Name:** Iron Standard (CATALOG No. I7505-STD, I7513-STD)  
**Product Use:** For standardization or calibration of Ferrozine Iron procedures.  
**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**

Hazard Classifications:

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

Precautionary Statements

**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.



Signal Word: Danger

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

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

**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 between +2°C and +8°C  
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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state: Standard is provided as a liquid.  
Appearance and odor: Standard is clear and colorless.  
Odor threshold: 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: Not Available  
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:** May cause irritation.  
**EYE CONTACT:** May 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:** 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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