

**1. CHEMICAL IDENTIFICATION AND COMPANY INFORMATION**


---

Product Name:	IRON
Reference:	SY2422
Field of application:	Food, in vitro analysis (wine and others)
Information in case of emergency:	National Institute of Toxicology (+34-91-5620420)
Reagent Supplier	Sinatech Analytical Systems SL
Address:	Av. Parc tecnològic Vallès 3 08290 Cerdanyola Barcelona, Spain
Tel:	+34 93 5820205
e-Mail	<a href="mailto:info@sinatech.es">info@sinatech.es</a>
Web site:	<a href="http://www.sinatech.es">www.sinatech.es</a>

**2. COMPOSITION OF PRODUCT AND INFORMATION OF INGREDIENTS**


---

Dangerous components: R1: Acetic acid (64-19-7) < 5%

Chemical characterization: R1: Acetate buffer, Thiourea 50 mM, aminocaproic acid,  
R2: Ascorbic acid 1mM, Ferene S

**3. PHYSICAL AND CHEMICAL CHARACTERISTICS**


---

Form, color and pH: R1: Liquid, colorless, vinegary odor, pH 4.2  
R2: Liquid, colorless, pH 2.5

Solubility in water: Soluble in water

Flammable/non flammable:

non-flammable

Explosive/non explosive:

non-explosive

**4. IDENTIFICATION OF HAZARDS**


---

Classification: Skin irritation cat2  
Serious damage to eyes cat1  
Corrosive to metal cat3

Pictogram: R1:



Signal word: WARNING

Hazard statements: H315  
H318

Precautionary statements: P280  
P305+P351+P338

**5. HEALTH EFFECTS**

Data not available

**6. EMERGENCY FIRST AID PROCEDURES**

Eye contact: Wash eyes immediately with plenty of water  
 Skin contact: Wash with plenty of water  
 Ingestion:

Requires medical control

**7. ACCIDENTAL SPILLAGE MEASURES**

After spillage: Wash with plenty of water  
 Absorbent material: Universal binder  
 Special measures: Not necessary

**8. HANDLING AND STORAGE**

Handling: No special requirements  
 Storage: 2 - 8 °C  
 Do not store together: No restriction

**9. PERSONAL PROTECTION EXPOSURE CONTROL**

Respiratory protection: None  
 Eye protection: Safety glasses  
 Hand protection: Disposable gloves

**10. STABILITY AND REACTIVITY**

Hazardous decomposition products: None known if used properly  
 Avoidable conditions & substances: None

**11. FIRE FIGHTING MEASURES**

Appropriate extinguishing agent: No restriction  
 Thermal decomposition: No danger

**12. TOXICOLOGICAL INFORMATION**

Data not available

**13. ECOLOGICAL INFORMATION**

Ecotoxicological information: Data not available  
 Biological degradability: Data not available  
 Biological effects: Data not available  
 Water hazard: Irrelevant

**14. DISPOSAL CONSIDERATIONS**

Waste disposal: Dilute with water before getting into the local sewer system according to local regulations.  
 Disposal of empty packaging: As per local regulations

**15. TRANSPORT INFORMATION**

Not subject to current regulations for transportation of hazardous goods.

**16. OTHER INFORMATION**

This safety datasheet complies with the requirements of Regulation UE 453/2010  
 Not for use in humans or other animals  
 The information provided herein is believed to be correct as of the date hereof and excludes any guarantee related to the final use given to the product being the recipient the last responsible for observing the local laws applicable in each case.