

Ferrous Chloride, Tetrahydrate

SECTION 1 : Identification of the substance/mixture and of the supplier

Product name : Ferrous Chloride, Tetrahydrate

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: S25324A

Recommended uses of the product and uses restrictions on use:

Manufacturer Details:

AquaPhoenix Scientific  
9 Barnhart Drive, Hanover, PA 17331

Supplier Details:

Fisher Science Education  
15 Jet View Drive, Rochester, NY 14624

Emergency telephone number:

Fisher Science Education Emergency Telephone No.: 800-535-5053

SECTION 2 : Hazards identification

Classification of the substance or mixture:



Corrosive  
Skin corrosion, category 1B  
Serious eye damage, category 1



Irritant  
Acute toxicity (oral, dermal, inhalation), category 4

Skin corrosion, category 1B

Serious eye damage, category 1

Acute toxicity oral, category 4

Hazards Not Otherwise Classified - Combustible Dust

Signal word :Danger

Hazard statements:

Harmful if swallowed

Causes severe skin burns and eye damage

Precautionary statements:

If medical advice is needed, have product container or label at hand

Keep out of reach of children

Read label before use

Wash   thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves/protective clothing/eye protection/face protection

Do not breathe dust/fume/gas/mist/vapours/spray

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing

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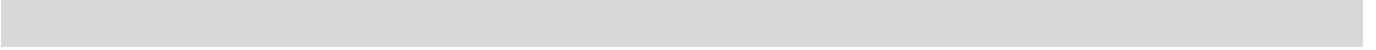


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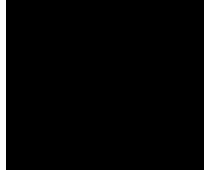
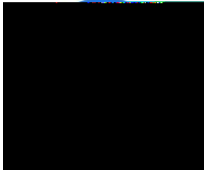
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open flame. Store away from foodstuffs. Store away from oxidizing agents. Store in cool, dry conditions in well sealed containers. Keep container tightly sealed. Store with like hazards

SECTION 8 : Exposure controls/personal protection



Control Parameters: 13478-10-9, Ferrous chloride tetrahydrate, ACGIH TLV: 1 mg/m<sup>3</sup>, OSHA PEL: 1 mg/m<sup>3</sup>

Appropriate Engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use/handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor or dusts (total/respirable) below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Use under a fume hood. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device when high concentrations are present. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

Protection of skin: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation being used/handled. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye protection: Safety glasses with side shields or goggles.

General hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from food, beverages and feed sources. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases/fumes/dust/mist/vapor/aerosols. A The t e

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Flash point (closed cup):	Not Determined	Auto/Self-ignition temperature:	Not Determined
Evaporation rate:	Not Determined	Decomposition temperature:	>150C
Flammability (solid,gaseous):	Not Determined	Viscosity:	a. Kinematic:Not Determined b. Dynamic: Not Determined
Density: Not Determined Molecular Weight::198.81			

SECTION 10 : Stability and reactivity

Reactivity:None under normal processing  
 Chemical stability:No decomposition if used and stored according to specifications.  
 Possible hazardous reactions:None under normal processing.  
 Conditions to avoid:Store away from oxidizing agents, strong acids or bases.Incompatible Materials.Dust generation.excess heat.  
 Incompatible materials:Strong acids.Strong bases.Strong oxidizing agents.  
 Hazardous decomposition products:Hydrogen chloride gas.

SECTION 11 : Toxicological information

Acute Toxicity:	
Oral:	450 mg/kg LD50 Rat
Chronic Toxicity: No additional information.	
Corrosion Irritation: No additional information.	
Sensitization:	No additional information.
Single Target Organ (STOT):	No additional information.
Numerical Measures:	No additional information.
Carcinogenicity:	No additional information.
Mutagenicity:	No additional information.
Reproductive Toxicity:	No additional information.

SECTION 12 : Ecological information

Ecotoxicity Persistence and degradability: Readily degradable in the environment.  
 Bioaccumulative potential:  
 Mobility in soil:  
 Other adverse effects:

SECTION 13 : Disposal considerations

Waste disposal recommendations:  
 Product/containers must not be disposed together with household garbage. Do not allow product to reach sewage system or open water.It is the responsibility of the waste generator to properly characterize all waste

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Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients is listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

None of the ingredients is listed

SECTION 16 : Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

GHS Full Text Phrases:

Abbreviations and acronyms:

IMDG: International Maritime A sifi E nd ed by the u