Section 1 - Product and Company Information

Product Name: Acetylferrocene, 95%
Product Number: 106680
Brand: Aldrich Chemical
Company: Sigma-Aldrich
Street Address: 3005 Spruce Street
City, State, Zip, Country: SAINT LOUIS, MO 63103 US
Technical Phone: 314 771 5765
Emergency Phone: 414 273 3850 Ext. 5696

Section 2 - Composition/Information on ingredient

Substance Name: ACETYLFERROCENE
CAS #: 1271-55-2
SARA 313: No
EC no: 215-043-2
Annex I Index Number: 

Formula: C12H12FeO
Synonyms: Acetoferrocene, Acetylferrocene, 1-Acetylferrocene, Ferrocene, acetyl-, Ferroceny methyl ketone, Iron, (acetyl)cyclopentadienyl(cyclopentadienyl), Monoaetylferrocene

Section 3 - Hazards Identification

Emergency Overview
Highly Toxic (USA) Very Toxic (EU).
Very toxic by inhalation, in contact with skin and if swallowed.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Immediate Treatment - Work Site
In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes.

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

Inhalation Exposure
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Eye Exposure
Assure adequate flushing of the eyes by separating the eyelids with fingers.

Section 5 - Fire Fighting Measures

Autoignition Temp: N/A

Section 6 - Accidental Release Measures

Extinguishing Media
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting
Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Procedure to be Followed in Case of Leak or Spill
Evacuate area.

Procedure(s) of Personal Precaution(s)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling
User Exposure
Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage
Suitable: Keep tightly closed. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eye bath. Use only in a well ventilated area.

Personal Protective Equipment
Other
Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

General Hygiene Measures
Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

Appearance: 
Form: Fine crystals

Molecular Weight: 228.07 AMU

pH: N/A
BP/SP Range: N/A
MP/MP Range: 82 °C
Freezing Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Saturated Vapor Conc.: N/A

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Section 10 - Stability and Reactivity

Stability
Materials to Avoid
Strong oxidizing agents, strong reducing agents.

Hazardous Decomposition Products
Carbon monoxide, Carbon dioxide.

Section 11 - Toxicological Information

Route of Exposure
Multiple Routes
May be fatal if inhaled, swallowed, or absorbed through skin. May cause irritation.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: O0370000

Toxicity Data
Oral - Rat: 25 mg/kg (LD50)
Remarks: Behavioral,Somnolence (general depressed activity), Lungs, Thorax, or Respiratory Dyspnea.

Oral - Mouse: 50 mg/kg (LD50)
Remarks: Behavioral,Somnolence (general depressed activity), Behavioral,Tremor, Vascular:Regional or general arteriole or venous dilation.

Intraperitoneal - Mouse: 25 MG/KG (LD50)
Remarks: Behavioral,Tremor, Gastrintestinal:Changes in structure or function of salivary glands, Skin and Appendages:Other: Hair.

Intravenous - Mouse: 75 MG/KG (LD50)
Skin - Mammal: 23.3 mg/kg (LD50)

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
- Proper Shipping Name: Toxic solids, organic, n.o.s.
- UN#: 2811
- Class: 6.1
- Packing Group: Packing Group II
- Hazard Label: Toxic substances.
- PIH: Not PIH

IATA
- Proper Shipping Name: Toxic solid, organic, n.o.s.
- IATA UN Number: 2811
- Hazard Class: 6.1
- Packing Group: II

Section 15 - Regulatory Information

EU Additional Classification
- Symbol of Danger: T+
- Indication of Danger: Very toxic.
- Risk Statements: R: 28
- Very toxic if swallowed.
- Safety Statements: S: 28 36/37 45
- After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

US Classification and Label Text
- Risk Statements: Very toxic by inhalation, in contact with skin and if swallowed.
- Safety Statements: Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

United States Regulatory Information
- SARA Listed: No
- TSCA Inventory Item: Yes Yes
- Canada Regulatory Information
- VH33 Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR
- DSL: No
- NDSL: Yes

Section 16 - Other Information

Disclaimer
For R&D use only. Not for drug, household or other uses.
Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2004 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.