

# Camlab Limited – Material Safety Data Sheet

## 1. Identification


Product Code CC/1122-DA

Product Name **FERRIC CHLORIDE 6H<sub>2</sub>O pure**

Molecular Formula **FeCl<sub>3</sub>.6H<sub>2</sub>O =270.30**

CAS Number 10025-77-1

Supplier: **CAMLAB LIMITED**

 **Norman Way Industrial Estate  
Over  
Cambridge  
England  
CB4 5WE**

Phone 01954 233110

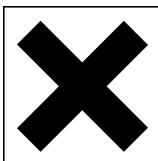
Fax 01954 233101

Emergency Telephone 08:00-17:00 01954 233110  
24hr 112  
(Have this document to hand)

## 2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Iron salts (as Fe)	10025-77-1	231-729-4	> 20.0%	Xn : R22,R36/37/38	WEL

## 3. Hazards Identification



Harmful if swallowed. Irritating to eyes, respiratory system and skin.

## 4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin Do not wash immediately with water but first remove any excess material with a dry cloth. Then wash off skin thoroughly with water. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. OBTAIN MEDICAL ATTENTION URGENTLY.

## 5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

## 6. Accidental Release Measures

Personal Protection Use approved personal protective equipment. Beware : aqueous solutions are highly acidic.

Enviromental Keep non-neutralised material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

Major Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.

## 6. Accidental Release Measures (continued)

Minor Spillage Wash area down with copious amounts of water.

## 7. Storage & Handling

Handling Precautions Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.  
Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

Storage Conditions Well ventilated, cool, dry storage . Protect against moisture to prevent decomposition and corrosion.

## 8.1 Workplace Exposure Limits

Workplace Exposure Limits	Long Term (8hr TWA):	-	ppm	1.000	mg m-3
	Short Term (15min Period):	-	ppm	2.000	mg m-3

## 8.2 Personal Protection

Respiratory If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.

Hands Use nitrile gloves or PVC gauntlets.

Eyes Use chemical splash proof glasses or goggles.

Skin Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

## 9. Physical & Chemical Properties

Appearance	Yellowish brown crystalline solid.
Odour	Odourless.
pH	2
Boiling point	280.0 °C
Melting point	37.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	Yes.
Vapour Pressure	Not available
Relative Density	1.6600 °C
Water Solubility	Completely soluble in water.

## 10. Stability & Reactivity

Chemical Stability Stable under normal conditions

Conditions to Avoid No specific conditions.

Materials to Avoid Alkalis.

Hazardous May produce hazardous fumes if involved in a fire.

Decomposition Products

## 11. Toxicological Information

Eyes Contact with the solid or dust may cause severe irritation.

Skin Contact with the solid or dust will be irritating to the skin.

LD50 Skin Not available

Ingest Harmful if swallowed. Ingestion will cause gastrointestinal irritation.

LD50 Ingest LDlo Dog 900mg/Kg

## 11. Toxicological Information (continued)

Inhalation	Inhalation of dust may produce irritation of the eyes, nose, throat and respiratory tract.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

## 12. Ecological

No specific environmental hazard.

## 13. Disposal Considerations

Disposal Methods	Dispose of to a licensed land fill site.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

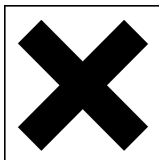
## 14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Transport Category	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

## 15. Regulatory Information

Labelling	Harmful.
Classification	

Label Symbols Xn



Risk & safety Phrases Harmful if swallowed. Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

EEC Number 231-729-4

## 16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

Revision Date: 5/03/96.

Data reviewed and PDF file generated: 19/07/07.

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