Camlab Limited - Material Safety Data Sheet

1. Identification

Product Code CC/1122-DA

Product Name FERRIC CHLORIDE 6H2O pure

Molecular Formula FeCl₃.6H₂O =270.30

CAS Number 10025-77-1

Supplier:

CAMLAB LIMITED

ab

Norman Way Industrial Estate Over Cambridge England

Phone 01954 233110 Fax 01954 233101

Emergency Telephone 08:00-17:00 01954 233110

CB4 5WE

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 Nothing specified. Media

6. Accidental Release Measures

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

Protection

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 Presure 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 LD1o 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 X



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: 17/03/10.

Copyright 2010 Camlab Limited.