

SAFETY DATA SHEET

FERRIC CHLORIDE HEXAHYDRATE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: FERRIC CHLORIDE HEXAHYDRATE

PART No.: EFCC-BULK

SUPPLIER: ELECTROLUBE. A division of HK WENTWORTH LTD
KINGSBURY PARK, MIDLAND ROAD
SWADLINCOTE
DERBYSHIRE, DE11 0AN
Tel: +44(0)1283 222 111
Fax: +44(0)1283 550 177

2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
Iron (III) chloride hexahydrate			60-100 %
7705-08-0	231-729-4	Xn ,C R-22, 34	

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION:

Harmful if swallowed. Causes burns.

4. FIRST AID MEASURES:

INHALATION: Not relevant.

INGESTION: DO NOT INDUCE VOMITING! Promptly get affected personnel to drink large volumes of water to dilute the swallowed chemical. Rinse mouth thoroughly. Get medical attention immediately!

SKIN: Important to remove the substance from the skin immediately. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing. Chemical burns must be treated by a physician.

EYES: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: This material is not flammable. Use extinguishing media appropriate for surrounding fire.

6. ACCIDENTAL RELEASE MEASURES:

SPILL CLEANUP METHODS: DO NOT TOUCH SPILLED MATERIAL! Wear necessary protective equipment. Collect and reclaim or dispose in sealed containers in licensed waste. Flush area with plenty of

water.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	Avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment.
STORAGE PRECAUTIONS:	Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT COMMENTS: OES = Occupational Exposure Standard.

PROTECTIVE EQUIPMENT:



VENTILATION:	No particular ventilation requirements.
RESPIRATORS:	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL). Wear respirator if there is dust formation.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use approved safety goggles or face shield.
OTHER PROTECTION:	Wear appropriate clothing to prevent any possibility of skin contact.
HYGIENIC WORK PRACTICES:	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Solid.	
COLOUR:	Amber.	
ODOUR/TASTE:	No characteristic odour.	
DENSITY/SPECIFIC GRAVITY (g/ml):	1.66	Temperature (°C):
BULK DENSITY:	1660 kg/m3	
SOLUBILITY DESCRIPTION:	Soluble in water.	

10. STABILITY AND REACTIVITY:

STABILITY:	Normally stable.
HAZARDOUS DECOMP. PRODUCTS:	Fire or high temperatures create: Vapours/gases/fumes of: Hydrogen chloride (HCl). Chlorine.

11. TOXICOLOGICAL INFORMATION:

INHALATION:	May cause irritation to the respiratory system.
INGESTION:	May cause burns in mucous membranes, throat, oesophagus and stomach.
SKIN:	Prolonged or repeated exposure may cause severe irritation. May cause serious chemical burns of the skin.
EYES:	Causes burns.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	Not regarded as dangerous for the environment.
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13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Dispose of in accordance with Local Authority requirements.
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14. TRANSPORT INFORMATION:

LABEL FOR CONVEYANCE:



UN No. ROAD:	1773
UK ROAD TRANSPORT CLASS:	8
UK ROAD PACK GR.:	III
ADR CLASS No.:	8
ADR CLASS:	Class 8: Corrosive substances.
ADR ITEM No.:	III
ADR MARGINAL:	2801
ADR LABEL No.:	8
HAZCHEM CODE:	2X
CEPIC TEC(R) No.:	80GC2-II+III
PROPER SHIPPING NAME I:	FERRIC CHLORIDE, ANHYDROUS
RID CLASS No.:	8
RID ITEM No.:	III
UN No. SEA:	1773
IMDG CLASS:	8
IMDG PACK GR.:	III

EmS No.:	F-A; S-B
MFAG TABLE No.:	See Guide
MARINE POLLUTANT:	No.
UN No., AIR:	1773
ICAO CLASS:	8
AIR PACK GR.:	III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES:	R-22 Harmful if swallowed. R-34 Causes burns.
SAFETY PHRASES:	S-24/25 Avoid contact with skin and eyes. S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S-27 Take off immediately all contaminated clothing. S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S-45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
ENVIRONMENTAL LISTING:	Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.
EU DIRECTIVES:	System of specific information relating to Dangerous Preparations. 91\155.
STATUTORY INSTRUMENTS:	Chemicals (Hazard Information and Packaging) Regulations.
APPROVED CODE OF PRACTICE:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
GUIDANCE NOTES:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16. OTHER INFORMATION:

USER NOTES:	CN No 28273300
REVISION COMMENTS:	Revised in accordance with CHIP3 and EU Directive 1999/45/EC
ISSUED BY:	Helen O'Reilly
REVISION DATE:	MAY 2003
REV. No./REPL. SDS GENERATED:	0
SDS No.:	10354
DISCLAIMER:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text. The information contained in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification
R-PHRASES (Full Text):	R-22 Harmful if swallowed. R-34 Causes burns.