



SAFETY DATA SHEET FERRIC CHLORIDE SOLUTION 15%

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME FERRIC CHLORIDE SOLUTION 15%

PRODUCT NO. M053

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2 HAZARDS IDENTIFICATION

Causes burns.

CLASSIFICATION C;R34.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
FERRIC CHLORIDE SOLUTION STRONG			10-30%	C;R34. Xi;R37.

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

INHALATION

Move affected person to fresh air. If recovery not rapid, seek medical attention.

INGESTION

DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.

SKIN CONTACT

Remove contaminated clothing. Wash affected area with plenty of soap and water. If irritation persists, seek medical attention. Launder clothing before re-use.

EYE CONTACT

Keeping eye open, immediately irrigate with water or eye-wash for 15 minutes. Obtain medical attention.

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5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use extinguishing media suitable against surrounding fire or the cause of fire.

SPECIAL FIRE FIGHTING PROCEDURES

Take measures to retain water used for extinguishing. Do not release contaminated water into drains, soil and surface water. Dispose of contaminated water and soil according to local regulations.

SPECIFIC HAZARDS

Toxic or corrosive vapours may be released in fire situation.

PROTECTIVE MEASURES IN FIRE

Fire fighters should wear self-contained breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Avoid direct contact with skin, eyes and clothing.

ENVIRONMENTAL PRECAUTIONS

Prevent contamination of soil, drains and surface water.

SPILL CLEAN UP METHODS

Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Avoid contact with skin or eyes.

STORAGE PRECAUTIONS

Store in a cool, dry, well ventilated place, in securely closed original container.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
FERRIC CHLORIDE SOLUTION 15%		1 mg/m ³		2 mg/m ³	

INGREDIENT COMMENTS

For occupational exposure limits refer to the current edition of EH40/2005 Workplace exposure limits - listed as Iron salts (as Fe)

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

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RESPIRATORY EQUIPMENT

In case of insufficient ventilation, for short periods of work, use a suitable respiratory protective equipment fitted with an appropriate E1 filter cartridge.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

Promptly remove any clothing that becomes contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Brown mobile liquid.		
SOLUBILITY	Miscible with water in all proportions.		
BOILING POINT (°C)	> 100°C	RELATIVE DENSITY	1.1 g/cm ³
Ph-VALUE, CONC. SOLUTION	< 2		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal conditions of use.

CONDITIONS TO AVOID

Contact with hypochlorites liberates chlorine. Reacts with alkalis with evolution of heat.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition may release noxious, toxic or corrosive gases or vapours. – hydrogen chloride (HCl).

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

Corrosive to eyes, skin and mucous membranes.

INGESTION

May cause burns to mucous membranes, throat and stomach. Ingestion will cause gastric irritation and vomiting.

SKIN CONTACT

May cause serious chemical burns of the skin.

EYE CONTACT

Causes severe burns.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

No specific information available, but material is expected to have adverse effect on the environment.

FERRIC CHLORIDE SOLUTION 15%

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

This material and/or its container must be disposed of as hazardous waste according to Hazardous Waste Regulations [2005], or according to local regulations, in compliance with Duty of Care Regulations.

WASTE CLASS

WASTE CODE:0705** HAZARDOUS PROPERTY: H8

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	FERRIC CHLORIDE SOLUTION		
UN NO. ROAD	2582	ADR CLASS NO.	C1
ADR CLASS	8	ADR PACK GROUP	III
HAZARD NO. (ADR)	80	ADR LABEL NO.	8

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS FERRIC CHLORIDE SOLUTION STRONG

RISK PHRASES

R34 Causes burns.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

UK REGULATORY REFERENCES

Chemicals [Hazard Information and Packaging for Supply] Regulations 2002 [as amended].

FERRIC CHLORIDE SOLUTION 15%

16 OTHER INFORMATION

INFORMATION SOURCES

This product has been classified in accordance with CHIP3 Regulations; (CHIP 2002 as amended).

REVISION COMMENTS

Edition 04

ISSUED BY

SK

SDS NO. 10067

DATE 22/12/2010

RISK PHRASES IN FULL

R34 Causes burns.

R37 Irritating to respiratory system.

DISCLAIMER

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