



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : F 10329
Product Name : FERRIC CHLORIDE ANHYDROUS

Manufacturer/supplier identification

Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Blane fixe

CAS-No : 7705-08-0 Ec-Index No. : ---
Molar Mass : 162.21 EC-No. : 231-729-4
Molecular Formula : Cl Fe₃

3. HAZARDS INDEX : Harmful if swallowed. Irritating to skin.
Risk of serious damage to eyes.

4. FIRST AID MEASURES : After inhalation : Fresh air.
After skin contact : wash off with plenty of water. Remove contaminated clothing.
After eye contact : Rinse out with plenty of water with the eyelid held wide open.
Summon eye specialist.
After swallowing: make victim drink plenty of water, induce vomiting, summon doctor.



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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.

Special risks : Development of hazardous combustion gases or vapours possible in the event of fire.

The following may develop in event of fire : hydrochloric acid.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

Other information : Non-combustible. Prevent fire-fighting water from entering surface water or groundwater.

6. ACCIDENTAL RELEASE MEASURES

Person - related precautionary measures : Avoid generation of dusts; do not inhale dusts.

Ensure supply of fresh air in enclosed rooms.

Procedures for cleaning/absorption : Take up dry.

Forward for disposal. Clean up affected area.

Avoid generation of dusts.

Environmental-protection measures : Do not allow to enter sewerage system.

7. HANDLING AND STORAGE

Handling - No further requirements.

Storage - Tightly closed.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection : required when dusts are generated.

Eye Protection : required

Hand Protection : required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands & face after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Powder
Colour	: black
Odour	:
pH value at 200 g/l H ₂ O (20° C)	: 1
Melting temperature	: 305° C
Boiling temperature	: Not available
Ignition temperature	: Not available
Flash Point	: Not applicable
Explosion limit lower	: Not available
upper	: Not available
Vapour pressure (20° C)	: 1 hPa
Relative vapour density	: Not available
Density	: Not available
Bulk Density	: 1000 kg/m ³
Solubility in Ethanol (20° C)	: Soluble
Ether (20° C)	: Soluble
Acetone (20° C)	: Soluble
Water (20° C)	: 920 gm/lt.
Water (100° C)	: 5370 gm/lt.
Thermal decomposition	: >315° C



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10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.

Substances to be avoided : alkali metals (risk of explosion !)

Hazardous decomposition products : No information available.

Further information : extremely hygroscopic

11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (oral,rat) : 450 mg/kg : 50

Further toxicological information :

After skin contact : Irritations.

After eye contact : Irritations.

Risk of serious damage to eyes.

After uptake of large quantities :

Nausea, vomiting, diarrhoea.

No description of any further symptoms is available.

Further data : Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxic effects : Quantitative data on the ecological effect of this product are not – available

Further ecologic data : No ecological problems are to be expected when the product is handled and used with due care and attention.



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13. DISPOSAL METHOD : Disposal in compliance with official regulations.

Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like house-hold waste or recycled.

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

14. TRANSPORT INFORMATION

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class : 8 Number and letter : 11c

ADR/RID class : 8 Number and letter : 11c

Name of material : FERRIC CHLORIDE ANHYDROUS

Sea Transport IMDG : IMDG class : 8 UN No. : 1773 Packing group : III

Ems : 8-06 MFAG : 700

Correct Technical Name : FERRIC CHLORIDE ANHYDROUS

Air Transport ICAO-TI

and IATA-DGR : ICAO/IATA class : 8 UN No. : 1773

Packaging group : III

Correct Technical Name : FERRIC CHLORIDE ANHYDROUS



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15. REGULATORY INFORMATION

Labelling according to EC Directives :

Symbol : Xn Harmful

R-phrases : 22-38-41 Harmful if swallowed. Irritating to skin.
Risk of serious damage to eyes.

S-phrases : 26-39 In case of contact with eyes, rinse immediately
with plenty of water and seek medical advice.
Wear eye/face protection.

Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

Reason for alteration

General update.

The information contained herein is based on the present state of our knowledge.

It characterises the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.
