



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 12429  
Product Name : AMMONIUM FERROUS SULPHATE

### 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 Tele fax No. : 0484 2802483

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 7783-85-9  
Molar mass : 392.14  
Molecular Formula :  $H_8FeN_2O_8S_2 \cdot 6H_2O$   
EC-No. : 233-151-8

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## 3. HAZARDS IDENTIFICATION

According to the evaluative data available, a classification according to categories of danger as specified in Directive 67/548/EEC and laid down in the legislation of the country concerned is not required.

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## 4. FIRST AID MEASURES

After skin contact : Wash off with plenty of water .Remove contaminated clothing.  
After eye contact : Rinse out with plenty of water with eyelids held open. Summon doctor.  
After swallowing : Make victim drink plenty of water, Induce vomiting. Immediately summon doctor.  
After inhalation : Fresh air.

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## 5. FIRE – FIGHTING MEASURES

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

Special risks : Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire : sulphur oxides, ammonia, nitrogen oxides.

Other information: Non- combustible.

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## 6. ACCIDENTAL RELEASE MEASURES

Person related precautionary measures.

Avoid generation of dusts : Do not inhale dusts.

Procedure for cleaning / absorption : Take up dry. forward for disposal.

Clean up affected area.

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## 7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry . Protected from light. ( + 15<sup>0</sup> C to + 25<sup>0</sup> C )

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : Required when dusts are generated .

Eye protection : Required

Hand protection : Required

Industrial hygiene : Change contaminated clothing . Wash hands after working with substance



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid  
Colour : bluish green  
Odour : odourless  
PH value( 20<sup>0</sup> C ) : 3-5  
Melting temperature : 100<sup>0</sup> C  
Boiling temperature : not available  
Ignition temperature : not available  
Flash point : not available  
Explosion limits lower : not available  
Upper : Not available  
Relative vapour density : Not available  
Density (20<sup>0</sup> C ) : 1.86 g/cm<sup>3</sup>  
Solubility in water ( 20<sup>0</sup>C ) : 269 g/l  
water( 100<sup>0</sup>C ) : 730 g/l

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.

Substance to be avoided : No information available.

Hazardous decomposition products : Ammonia, sulphur oxide, nitrous gases.

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity : Quantitative data on the toxicity of this product are not available. The data available to us do not suffice to permit any industrial toxicological assessment.

Further toxicological information:

After contact with substance: Irritations of eyes, skin , mucous membranes.

After swallowing: hazardous properties cannot be excluded.



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

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### 12. ECOLOGICAL INFORMATION

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

Further ecologic data : The following applies to ammonium ions in general: biological effects: toxic as from 0.3 mg/l; nourishment for fish : toxic as from 0.3 mg/l.

The following applies to iron compounds in general : Fish toxic as from 0.9 mg/l at pH 6.5-7.5. lethal as from 1mg/l at pH 5.5-6.7.

50 mg/l iron upper limit for fish life. When iron ions flocculate in an alkaline medium mechanical damage occurs in aquatic organisms.

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### 13. DISPOSAL METHOD

There are no uniform EC regulations for The disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations . We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste .

Disposal in compliance with official Regulations . Handle contaminated packaging as In the same way as the substance itself . If not officially specified differently , non – contaminated packaging may be treated like household waste or recycled



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**14. TRANSPORT INFORMATION** : not subject to transport regulations.

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**15. REGULATORY INFORMATION**

Labelling according to EC Directives

Symbol :

R- Phrases :

S-phrases :

Water pollution class : 1 (slightly polluting substance)

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**16. OTHER INFORMATION**

Reason for alteration

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.

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