



## SAFETY DATA SHEET

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

Catalogue No. : A 15517  
Product Name : AMMONIUM CERIC SULPHATE L.R.

#### 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

Synonyms : Cerium (IV) Ammonium Sulphate

CAS-No : 10328-47-9

Ec-Index No. :

Molar Mass : 632.55

EC-No. : 231-567-4

Molecular Formula:  $H_{16}CeN_4O_{16}S_4 \cdot 2H_2O$

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### 3. HAZARDS INDEX

No evaluative data available.

A classification according to categories of danger as specified in Directive 67/548/EEC & laid down in the legislation of the country concerned can therefore not be made. In this context, hazardous properties can therefore not be excluded.

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### 4. FIRST AID MEASURES

After inhalation : fresh air.

After skin contact : wash off with plenty of water.

After eye contact : Rinse out with plenty of water

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 :

nitrous gases, ammonia, sulphur oxides

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

Other information : Non-combustible.

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### 6. ACCIDENTAL RELEASE MEASURES

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

Procedures for cleaning/absorption : Take up dry. Forward for disposal.

Clean up affected area.

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

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### 7. HANDLING AND STORAGE

Handling - No further requirements.

Storage - Tightly closed. Dry.

Storage temperature : No restrictions.

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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 & 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. Wash hands after working with substance.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid

Colour : yellow

Odour : odourless

pH value at 100gm/lt.H<sub>2</sub>O (20° C) : ~1.2

Melting temperature : Not available

Boiling temperature : Not available

Ignition temperature : Not available

Flash Point : Not available



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Explosion limit lower : Not available  
upper : Not available  
Relative vapour density : Not available  
Density : Not available  
Bulk density : ~ 800 Kg/m<sup>3</sup>  
Solubility in Water (20° C) : (hydrolysis)  
Ethanol (20° C): Almost Insoluble

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : Heating

Substances to be avoided : strong acids, strong alkalis

Hazardous decomposition products : in the event of fire : nitrous gases,  
ammonia, sulphur oxides.

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity : Quantitative data on the toxicity of this product are not Available.

Further toxicological information :

Property which must be anticipated on the basis of the chemical/physical Data.

After skin contact : Burns

After eye contact : Burns

Burns of mucous membranes.

However, when the product is handled appropriately, hazardous effects are unlikely to occur.



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Further data : The product should be handled with the care usual when dealing with Chemicals.

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### 12. ECOLOGICAL INFORMATION

Ecotoxic effects :

Biological effects: harmful effect on aquatic organisms.

Further ecologic data : The following applies to ammonium ions in general :

Biological effects : fish : toxic as from 0.3 mg/l.; nourishment for fish : toxic as from 0.3 mg/l.

The following applies to sulphate in general biological effects : fish : toxic as from 7 gm/l.; bacteria : toxic as from 2.5 gm/l.

Do not allow to enter waters, waste water, or soil !

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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 & 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.



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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 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 : 2 (polluting substance) (own classification)

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### **16. OTHER INFORMATION**

Reason for alteration

General update.

Addition of water pollution class.

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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