



# SAFETY DATA SHEET

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

Catalogue No. : A 11129  
Product Name : Aluminium ammonium 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 Telefax No. : 0484 2802483

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 7784-26-1  
Molar mass : 474.39  
Molecular Formula :  $H_4AlNO_8S_2 \cdot 12H_2O$   
EC-No. : 232-055-3

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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.

After swallowing: Make victim drink plenty of water, avoid 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 the event of fire: sulphur oxides, ammonia, nitrous gases.

Special protective equipment for fire fighting:

Do not stay in dangerous zone without suitable chemical protection clothing and self contained breathing apparatus.

Other information : Non- combustible.

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## 6. ACCIDENTAL RELEASE MEASURES

Procedure for cleaning / absorption:

Take up dry . forward for disposal. Clean up affected area

Person related precautionary measures:

Avoid generation of dusts; do not inhale dusts.

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## 7. HANDLING AND STORAGE

Handling : No further requirements

Storage : Tightly closed. Dry . At room temperature.

( + 15 °C to + 25 °C )

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated .

Eye protection : not required

Hand protection : not required

Protective clothing should be selected for the working place depending on concentration and quantity of the hazardous substance handled.



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The resistance of the protective clothing to chemicals should be ascertained with the respective supplier

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	solid
Colour	:	colourless
Odour	:	odourless
PH value( 20 <sup>0</sup> C)	:	~ 2.6
Melting temperature	:	93 <sup>0</sup> C
Boiling temperature	:	200 <sup>0</sup> C
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)	:	~ 700-800 kg/m <sup>3</sup>
Solubility in		
water ( 20 <sup>0</sup> C)	:	150 g/l
ethanol	:	insoluble.

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## 10. STABILITY AND REACTIVITY

Conditions to be avoided : heating.

Substance to be avoided : no information available.

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

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## 11. TOXICOLOGICAL INFORMATION

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

Further toxicological information

After skin contact : slight irritations and caustic effects

After eye contact: slight irritations and caustic effects

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

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## 12. ECOLOGICAL INFORMATION

Eco toxic effects:

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

Further ecologic data:

The following applies to aluminium compounds in general:

for acidic aluminium compounds; biological effects: toxic as from 0.1 mg/l; crustaceans : D.magna toxic as from 136 mg/l ; algae: Sc. quadricauda toxic as from 1.5 mg/l; In the case of alkaline aluminium compounds, flocculation may cause mechanical damage in aquatic organisms.

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

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.

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

Product : 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 .

Packaging : 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

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.

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