



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 11429
Product Name : Aluminium 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

2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 17927-65-0
Molar mass : 342.15(anhydrous)
EC-No. : 233-135-0
Molecular Formula : $Al_2O_{12}S_3 \cdot x H_2O$ (x= 13.16 H₂O)

3. HAZARDS IDENTIFICATION : Risk of serious damage to eyes.

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 : The following may develop in event of fire. : sulphur trioxide..

Other information: Non combustible.

6. ACCIDENTAL RELEASE MEASURES

person related precautionary measures.

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

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry

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 : white
Odour : odourless
PH value(20⁰ C) : near 3.5
Melting temperature: near 90-95⁰ 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 (20⁰ C) : Not available
Solubility in
water (20⁰C): freely soluble

10. STABILITY AND REACTIVITY

Conditions to be avoided : none
Substance to be avoided : none
Hazardous decomposition products : none
Further information: releasing water of crystallization: when heated strongly.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Quantitative data on the toxicity of this product are not available.
Further toxicological information:



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Property which must be anticipated on the basis of structure-effect considerations:

After skin contact: slight irritations

After eye contact: severe irritations

After swallowing: irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

No sensitising effect.

Further data: Special properties/ effects: adstringent.

12. ECOLOGICAL INFORMATION

Ecotoxic effects: The following applies to aluminium compounds in general: for acidic aluminium compounds: biological effects: toxic for water organisms. Fish: toxic as from 0.55 mg/l; in very soft water 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 mg/l; bacteria toxic as from 2.5 mg/l.

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

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 .



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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.

14. TRANSPORT INFORMATION : not subject to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xi irritant

R- Phrases : 41 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.
