



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 14129
Product Name : Ammonium carbonate

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 INGREDIENT

Synonyms : salt of hartshorn
EC-No. : 233-786-0
CAS-No : 10361-29-2

3. HAZARDS IDENTIFICATION

Harmful if swallowed .

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 eyelids held 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 the event of fire: 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. Contain escaping vapours with water.
Prevent fire fighting water from entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning / absorption :
Take up dry. Forward for disposal. Clean up affected area.
Environmental protection measures : Do not allow entering sewage system

Person related precautionary measures:
Avoid generation of dusts. Do not inhale dusts.

7. HANDLING AND STORAGE

Handling : No further requirements.
Storage : Tightly closed .Dry at +15 °C to +25 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment :
Respiratory protection : required when dusts are generated .
Eye protection : required



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Hand protection : required

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	White
Odour	:	Of ammonia
pHvalue at 100g/l H ₂ O(20 ⁰ C)	:	9.4
Melting temperature	:	58 ⁰ C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash point	:	Not applicable
Explosion limits lower	:	Not available
Upper	:	Not available
Relative vapour density	:	Not available
Density (20 ⁰ C)	:	Not available
Solubility in water (20 ⁰ C)	:	1000 g/l

10. STABILITY AND REACTIVITY

Conditions to be avoided : heating

Substance to be avoided: hydrogen peroxides, acids

Hazardous decomposition products : in the event of fire

Ammonia, nitrous gases



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Further information: light sensitive, hygroscopic.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀ (oral, rat) : 1975 mg/Kg.

Further toxicological information

After skin contact : No irritation

After eye contact : slight irritation symptoms

After swallowing: local irritation symptoms, nausea, vomiting, diarrhoea, absorption.

After inhalation of dusts: slight irritation in the respiratory tract.

Other notes : After absorption of large quantities:

Drop in blood pressure, collapse, CNS disorders, spasms, impaired consciousness, respiratory paralysis, haemolysis.

Further data : No toxic effects are to be expected when the product is handled appropriately.

12. ECOLOGICAL INFORMATION

Ecotoxic effects:

Biological effects: Harmful effect on aquatic organisms.

fish toxicity: P.promelas LC₅₀: 37 mg/l/16 h.

Further ecological data

The following applies to ammonium ions in general: biological effects:
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

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.

14. TRANSPORT INFORMATION : Not subject to transport regulations

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xn Harmful
R- Phrases : 22 Harmful if swallowed.
S-phrases :
Water pollution class : 1 (slightly polluting substance)

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.
