



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 15529
Product Name : Ammonium bi 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 : ammonium hydrogen carbonate.
EC-No. : 213-911-5
CAS-No : 1066-33-7
Molecular formula : CH_5NO_3

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 : none

Other information: Non combustible.

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

Hand protection : required

Industrial hygiene : Change contaminated clothing . Application of skin protective barrier cream recommended . Wash hands after working with substance.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid
Colour : white
Odour : pungent
Melting temperature : 106 °C
Boiling temperature : not available
pHvalue
at 50g/l H₂O(20⁰C) : near 8
Ignition temperature : Not available
Flash point : not applicable
Explosion limits lower : Not available
Upper : Not available
Relative vapour density : Not available
Density (20⁰C) : 204 g/ cm³
Bulk density : ~600 Kg/m³
Solubility in
water (20⁰C) : 176 g/l
ethanol (20⁰C) : insoluble
acetone : insoluble

10. STABILITY AND REACTIVITY

Conditions to be avoided : no information available.

Substance to be avoided: nitrates, nitrites.

Hazardous decomposition products :

Ammonia, carbon dioxide

Further information: incompatible with acids and alkalis.



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity

LD₅₀ (oral, rat) : 1576 mg/Kg.

Further toxicological information

After skin contact: degreasing effect on the skin, possibly followed by secondary inflammation.

After eye contact: irritant effect.

12. ECOLOGICAL INFORMATION

Ecotoxic effects

Bacterial toxicity: Ps.putida EC₅₀: 2690 mg/l/16 h.

Further ecological data

Bactericidal effect.

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

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

14. TRANSPORT INFORMATION : Not subject to transport regulations



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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

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.
