



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 13625
Product Name : Ammonium fluoride

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 : 12125-01-8
Molecular Formula : H_4NF
EC-No. : 239-347-8
EC-Index –No : 009-006-00-8
Molar mass : 37.04

3. HAZARDS IDENTIFICATION : Toxic by inhalation, in contact with skin, and if swallowed.

4. FIRST AID MEASURES

After skin contact: wash off with plenty of water .Remove contaminated clothing. Dab with polyethylene glycol 400.

After eye contact: rinse out with plenty of water with eyelids held open. Summon doctor.



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After swallowing: Make victim drink plenty of water, Subsequently administer sodium sulphate (1 tablespoon /1/4 l water.) Induce vomiting. Immediately summon doctor. Keep airways free.

After inhalation: fresh air. If necessary , apply mouth to mouth resuscitation or mechanical ventilation.

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. : fluorine, hydrogen fluoride. ammonia.

Other information: Non combustible .

6. ACCIDENTAL RELEASE MEASURES

person related precautionary measures.

Avoid substance contact.

Procedure for cleaning / absorption:

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

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry . In a well ventilated place. Accessible only for authorised persons.

At (+ 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 : required

Hand protection : required

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid
Colour : white
Odour : of ammonia
PH value(20⁰ C) : near 6
Melting temperature : not available
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) : ~1.01 g/cm³
Solubility in
water (20⁰C) : 820 g/l

10. STABILITY AND REACTIVITY

Conditions to be avoided : no information available.

Substance to be avoided : acids, halogen halogen compounds.

Hazardous decomposition products : no information available.



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11. TOXICOLOGICAL INFORMATION

Acute toxicity:

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

Further toxicological information:

After eye contact: Burns.

After swallowing: tissue damage.

After absorption : unconsciousness, cardiac dysrhythmia,
respiratory arrest, shock, disturbed electrolyte balance, spasms.

Chronic uptake results in damage of bone marrow.

12. ECOLOGICAL INFORMATION

Ecotoxic effects:

Biological effects: toxic for aquatic organisms. Hazard for drinking
water supplies.

P.promelas LC₅₀: 3638 mg/l/96h

Further ecologic data:

The following applies to inorganic fluorides in general: biological
effects: fish L.idus LC₅₀: 660 mg/l;

Bacteria: Ps. Putida toxic as from 2321 mg/l ; Sc. quadricauda toxic as
from 249 mg/l; protozoa: E. sulcatum toxic as from 101 mg/l; U
parduczi toxic as from 71 mg/l. Hazards for drinking water.

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 .



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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

Transport over land ADR/RID and GGVS/GGVE :

GVS/GGVE class : 6.1 Number and letter: 63c
ADR/RID class : 6.1 Number and letter: 63c

Name of material : AMMONIUM FLUORIDE
River transport AND/ADNR: Not examined

Sea transport IMDG :

IMDG class : 6.1 UN –No.:2505 Packaging group: III
Ems : 6.1-04 MFAG:750

Correct technical name: AMMONIUM FLUORIDE

Air transport

ICAO-TI and IATA-DGR:

ICAO/IATA class: 6.1 UN/ID-No.: 2505 Packaging group: III

Correct technical name: AMMONIUM FLUORIDE

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : T Toxic
R- Phrases : 23/24/25 Toxic by inhalation , in contact with skin and if
swallowed.



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S-phrases : 26-45 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice . In case of accident ,or if you feel unwell seek medical advice immediately.

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.
