



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 12129
Product Name : Ammonium dihydrogen orthophosphate

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

Synonyms : Ammonium biphosphate; Ammonium phosphate monobasic
CAS-No : 7722-76-1
Molar mass : 115.03
EC-No. : 231-764-5
Molecular Formula : H_6NO_4P

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.

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.



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5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : In adaption to the materials stored in the neighbourhood.

Special risks : non combustible. The following may develop in event of fire. : phosphorous oxides ,
nitrogen oxides, ammonia.

6. ACCIDENTAL RELEASE MEASURES

Take up dry . forward for disposal. Rinse away remainder
with water.

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed Dry .

At room temperature (+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 . Wash hands
after working with substance

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid
Colour : white
Odour : odourless
PH value(20⁰C) : 3.8-4.4



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Melting temperature : 190 °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 (20°C) : 1.80 g/cm³
Solubility in
water (20°C) : 370 g/l
ethanol (20°C) : sparingly soluble

10. STABILITY AND REACTIVITY

Conditions to be avoided : no information available
Substance to be avoided : no information available
Hazardous decomposition products : ammonia

11. TOXICOLOGICAL INFORMATION

Quantitative data on the toxicity of this product are not available. After uptake of large quantities: drop in blood pressure, gastrointestinal complaints, disturbed electrolyte balance.

12. ECOLOGICAL INFORMATION

No ecological problem are to be expected when the product is handled and used with due care and attention. 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.

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Depending on the concentration, phosphorous and / or nitrogen compounds may contribute to the eutrophication of drinking water supplies.

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.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol :

R- Phrases :

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.
