



## **SAFETY DATA SHEET**

### **1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY**

Catalogue No. : A 12229  
Product Name : di- Ammonium hydrogen 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

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### **2. COMPOSITION / INFORMATION ON INGREDIENTS**

Synonyms: Ammonium biphosphate; Ammonium phosphate dibasic

CAS-No : 7783-28-0 Molar mass : 132.06  
EC-No. : 231-987-8 Molecular Formula: H<sub>9</sub>N<sub>2</sub>O<sub>4</sub>P

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### **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.

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### **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 : combustibile. Formation of hazardous combustion gases or vapours possible in event of fire. The following may develop in event of fire. : phosphorous oxides , nitrogen oxides, ammonia.

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6. **ACCIDENTAL RELEASE MEASURES:**Take up dry . forward for disposal. Clean up affected area.

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### 7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed Dry .At room temperature ( +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

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid  
Colour : white  
Odour : slightly pungent  
PH value( 20<sup>0</sup> C) : 7.8-8.5  
Melting temperature: 155<sup>0</sup> 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<sup>0</sup> C) : 1.62 g/cm<sup>3</sup>  
Solubility in  
water ( 20<sup>0</sup>C): 690 g/l  
ethanol ( 20<sup>0</sup>C) : almost insoluble

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : no information available

Substance to be avoided : no information available

Hazardous decomposition products : ammonia

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### 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.

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

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### **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.

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**14. TRANSPORT INFORMATION** : not subject to transport regulations.

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### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol :

R- Phrases :

S-phrases :

Water pollution class : 1 (slightly polluting substance)

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### 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.

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