



## MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**

62/A-2 1st Stage, Yeshwanthpur Industrial Suburb  
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Ph: +91-80-2337 8354, Fax: +91-80-2357 4827

AMMONIUM PHOSPHATE, DIBASIC, P.A.

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:  
AMMONIUM PHOSPHATE, DIBASIC, P.A.

Catalog Numbers:  
20182-0000, 20182-5000

Synonyms:  
Diammum hydrogen phosphate, phosphoric acid diammonium salt

Company Information:  
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### SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	7783-28-0
Chemical Name	:	AMMONIUM PHOSPHATE
%	:	None Listed.
EINECS#	:	231-987-8
Hazard Symbols	:	None Listed.
Risk Phrases	:	None Listed.

### SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW  
Information not available.

Potential Health Effects  
Eye:  
Causes eye irritation.

Skin:  
May cause mild skin irritation. May be harmful if absorbed through the skin. Ingestion:  
Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

Inhalation:  
May cause respiratory tract irritation. May be harmful if inhaled.

Chronic:  
Prolonged or repeated skin contact may cause dermatitis.



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## SECTION 4- FIRST AID MEASURES

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### Eyes:

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

### Skin:

Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

### Ingestion:

Get medical aid. Wash mouth out with water.

### Inhalation:

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

### Notes to Physician:

Information not available.

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## SECTION 5- FIRE FIGHTING MEASURES

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### General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

### Extinguishing Media:

Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

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## SECTION 6- ACCIDENTAL RELEASE MEASURES

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### General Information:

Use proper personal protective equipment as indicated in Section 8.

### Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container.

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## SECTION 7 - HANDLING and STORAGE

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### Handling:

Use with adequate ventilation. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

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## SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

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Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment

Eyes:

Wear chemical goggles.

Skin:

Wear appropriate gloves to prevent skin exposure.

Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	:	Crystals
Color	:	White
Odor	:	Ammonia-like - weak odor
PH	:	7.9-8.3, 5% aq.sol.
Vapor Pressure	:	Negligible.
Viscosity	:	Information not available.
Boiling Point	:	Information not available.
Freezing/Melting Point	:	Information not available.
Autoignition Temperature	:	Information not available.
Flash Point	:	Information not available.
Explosion Limits, lower	:	Information not available.
Explosion Limits, upper	:	Information not available.
Decomposition Temperature	:	100 deg C
Solubility in water	:	58g/100ml (10°C)
Specific Gravity/Density	:	1.6190g/cm <sup>3</sup>
Molecular Formula	:	H <sub>9</sub> N <sub>2</sub> O <sub>4</sub> P
Molecular Weight	:	132.06

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## SECTION 10 - STABILITY AND REACTIVITY

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### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Incompatible materials.

### Incompatibilities with Other Materials:

Sodium hypochlorite.

### Hazardous Decomposition Products:

Oxides of phosphorus, nitrogen oxides (NO<sub>x</sub>) and ammonia (NH<sub>3</sub>).

### Hazardous Polymerization:

Has not been reported.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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### RTECS#:

CAS# 7783-28-0 unlisted.

### LD50/LC50:

Information not available.

### Carcinogenicity:

AMMONIUM PHOSPHATE - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

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## SECTION 12 - ECOLOGICAL INFORMATION

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### Ecotoxicity:

Fathead minnow LC50=155 ppm/96Hr.

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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Dispose of in a manner consistent with federal, state, and local regulations.

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## SECTION 14 - TRANSPORT INFORMATION

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### IATA

Information not available.

IMO  
Information not available.

RID/ADR  
Information not available.

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## SECTION 15 - REGULATORY INFORMATION

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European/International Regulations  
European Labeling in Accordance with EC Directives

Hazard Symbols:  
Information not available.

Risk Phrases:  
Information not available.

Safety Phrases:  
S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)  
CAS# 7783-28-0: 1

United Kingdom Occupational Exposure Limits  
Information not available.

United Kingdom Maximum Exposure Limits  
Canada  
CAS# 7783-28-0 is listed on Canada's DSL List.  
CAS# 7783-28-0 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits  
Information not available.

US FEDERAL  
TSCA  
CAS# 7783-28-0 is listed on the TSCA inventory.

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## SECTION 16 - ADDITIONAL INFORMATION

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The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.

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