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MATERIAL SAFETY DATA SHEET
MPC MSDS # 001
Effective Date: 10/01/91
Revised : 09/22/00

PRODUCT NAME: Di-Ammonium Phosphate
Also known as " DAP "

Transportation Emergencies: (800) 225-6555 ext. 2599
Health Emergencies: Contact Local Poison Center

SECTION I – PRODUCT INFORMATION

<u>Formula</u> (NH ₄) ₂ HPO ₄	<u>Chemical Family</u> Ammonium Salt	<u>CAS Number</u> 7783-28-0
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Typical Composition:
di-ammonium phosphate 98 to 100%

<u>Exposure Guidelines:</u>	<u>OSHA PEL</u> Not established	<u>ACGIH TLV</u> not established
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SECTION II – PERSONAL PROTECTION INFORMATION

This product is basically harmless when handled correctly. However, the following points should be noted.

Ventilation: Normal dust ventilation. Use local exhaust.

Eye: Protective glasses with side-shields should be worn to prevent contact with eyes.

Skin: Gloves should be worn to prevent contact with skin.

Respiratory: Avoid breathing dust.

Other: None.

SECTION III – HEALTH INFORMATION

Exposure to concentrated dust may cause respiratory problems in susceptible populations.

EMERGENCY AND FIRST AID PROCEDURES

- Eyes:** May cause irritation following contact. Flush with large quantities of water for at least 10 minutes. If irritation persists, seek medical attention.
- Skin:** Prolonged contact may cause some irritation. Wash thoroughly with soap and water.
- Inhalation:** Pre-existing respiratory diseases including asthma and emphysema may be aggravated by high dust concentrations of airborne material. If irritation of the nose and upper respiratory tract does occur, remove to fresh air. Treat symptomatically.
- Ingestion:** Small quantities are unlikely to cause toxic effect. Large quantities may give rise to gastro-intestinal disorders. If swallowed and the person is conscious, dilute stomach contents with water. Seek medical attention.

Long Term effects: No adverse effects are known.

SECTION IV – STABILITY and REACTIVITY

- Stability:** Stable.
- Conditions to avoid:** Dust or fumes in an enclosed environment.
- Incompatibility:** No reactivity with common materials.
- Hazardous Decomposition Products:** Ammonia fumes and oxides of nitrogen.
- Hazardous Polymerization:** Not pertinent.

SECTION V – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor:	Dry granular substance dark brown in color. Weak ammonia odor.
Boiling Point:	Not applicable. Begins to decompose at 100 degrees Celsius.
Melting Point:	Not applicable.
Solubility in Water:	90%
Bulk Density:	55 to 60 pounds/cubic foot

SECTION VI – HANDLING AND STORAGE PRECAUTIONS

Good general ventilation should be sufficient to control airborne levels. If user operations generate dust use ventilation to keep exposure of airborne contaminants below exposure limits.

Store in a cool dry well ventilated space. Avoid contact with incompatible materials.

SECTION VII – FIRE PROTECTION INFORMATION

Extinguishing Media

Use normal fire-fighting procedures.

Special Firefighting Procedures

Use self-contained breathing apparatus.

Unusual Fire and Explosive Hazards

Emits ammonia fumes and oxides of nitrogen during fire.

SECTION VIII – DEPARTMENT OF TRANSPORTATION REQUIREMENTS

DOT Shipping Name:

DOT Hazard Class:

UN/NA Identification Number:

DOT Placard:

SECTION IX – CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN

National Toxicology
Program: No

I.A.R.C.
Monograms: No

OSHA: No

SECTION X – ACCIDENTAL RELEASE PROCEDURES

Avoid contact with skin. Sweep up, place in a bag. Any material which is not re-usable may be disposed of in an approved land fill. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION XI – REGULATORY INFORMATION

Disclaimer

Mississippi Phosphates Corporation believes that the information contained in this material safety data sheet is accurate as of the date indicated. However, it makes no warranty, express or implied, as to either the accuracy of the information or the properties, fitness or safety of the chemical identified in Part 1, and assumes no liability or responsibility in connection with the information contained herein or as a result of the use of this material safety data sheet. This material safety data sheet applies only to the chemical described and may not be valid if the chemical is altered, combined with another substance, or subjected to physical or chemical processes. Each company or person using or distributing this material safety data sheet is responsible for ensuring its accuracy, applicability, and suitability at the time and under the particular circumstances used or distributed.