

Safety Data Sheet
According to Hazard Communication Standard (29 CFR 1910.1200)

DIAMMONIUM PHOSPHATE

Issue date: 12/16/2014

Version 1.0

Revision Date: 7/6/2015

1. Product and Company Identification

Material name DIAMMONIUM PHOSPHATE
CAS # See section 3
Product code -
Product use Fertilizers, fire retardant, flux, food additive.
Manufacturer/Supplier
Supplier: CONNECTION CHEMICAL, LP
Address: 104 Pheasant Run, Suite 104, Newtown, PA 18940
Contact (E-mail): sales@connectionchemical.com
Telephone: +1-215-493-4240
Fax: +1-215-493-3801
Emergency telephone Number: CHEMTREC 1-800-424-9300



2. Hazards identification

GHS classification

Physical hazards Not classified
Health hazards Not classified
Environmental hazards Not classified

GHS label elements

Hazard Pictograms No hazard pictogram is used.
Signal word No signal word is used.
Hazard statement Not applicable.

Precautionary statement

Prevention Not applicable.
Response Not applicable.
Storage Not applicable.
Disposal Not applicable.

3. Composition / Information on Ingredients

Components	CAS#	Percent
DIAMMONIUM PHOSPHATE	7783-28-0	99.7%

4. First Aid Measures

First aid procedures

Eye contact Flush/irrigate eyes with copious amounts of water for at least 10 minutes. Obtain medical attention if eye irritation persists.
Skin contact Wash the affected area with soap and water.
Inhalation Remove from source of exposure to dusts. Obtain medical attention if ill effects occur.
Ingestion Do not induce vomiting. Rinse mouth and then give water or milk to drink. Obtain medical attention if more than a small quantity has been swallowed.

Notes to physician Treat symptoms.

5. Fire Fighting Measure

Flammable properties

Not available.

Extinguishing media

Suitable extinguishing media

If fertilizer is not directly involved in the fire, use the best means available to extinguish the fire. If fertilizer is involved in the fire, use plenty of water, foam or dry chemical.

Unsuitable extinguishing media

Not available.

Firefighting equipment/instructions

Use self-contained breathing apparatus and protective clothing to avoid exposure to hydrogen chloride and other fumes.

Hazardous combustion products

Ammonia and possibly oxides of phosphorus.

6. Accidental Release Measures

Personal precautions

Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental precautions

Depending on the degree and nature of contamination, dispose of by use as a fertilizer on farm or to an authorised waste facility. Take care to avoid the contamination of watercourses and drains and inform the appropriate authority in case of accidental contamination of watercourses.

Methods for cleaning up

Any spillage of fertilizer should be cleaned up promptly, swept up and placed in a clean labelled open container for safe disposal, avoiding dusty conditions.

7. Handling and Storage

Handling

Avoid excessive generation of dust. Avoid contamination by combustible (e.g. diesel oil, grease, etc.) and/or other incompatible materials. Avoid unnecessary exposure to the atmosphere to prevent moisture pick-up. When handling the product over long periods use appropriate personal protective equipment, e.g. gloves. Carefully clean all equipment prior to maintenance and repair.

Storage

Store in compliance with national and local regulations. Locate away from the sources of heat or fire. Keep away from combustible materials and substances mentioned under Section 10. On farm, ensure that the fertilizer is not stored near hay, straw, grain, diesel oil, etc. When stored loose, take particular care to avoid mixing with other fertilizers. Ensure high standard of housekeeping in the storage area. Do not permit smoking and the use of naked lights in the storage areas. It is recommended to restrict the stack size and to keep at least 1 m distance around the stacks of bagged products. Any building used for the storage should be dry and well ventilated.

8. Exposure Controls / Personal Protection

Control parameters:

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA:

Not Available

EMERGENCY LIMITS:

Ingredient	TEEL-1	TEEL-2	TEEL-3
DIAMMONIUM PHOSPHATE	30 mg/m3	330 mg/m3	2000 mg/m3

Ingredient	Original IDLH	Revised IDLH
DIAMMONIUM PHOSPHATE	Not Available	Not Available

Exposure controls:

Appropriate engineering controls: Avoid high dust concentration and provide ventilation where necessary.

Individual protection measures, such as personal protective equipment:

Eye / face protection	Safety glasses with side shields (EN 166).
Skin protection	Working clothes. Wear suitable gloves (e.g. plastic, rubber or leather) when handling the product over long periods
Respiratory protection	If ventilation is inadequate, use suitable dust mask or respirator if dust concentration with an appropriate filter (EN 143, 149, filters P2, P3).
General hygiene considerations	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.

9. Physical & Chemical Properties

Appearance

Physical state	Solid
Form	Crystal
Color	White
Odor	Odorless
Odor threshold	Not available
pH	7.8-8.2
Vapor pressure	0.0762 Pa (20 °C)
Vapor density	Not available
Boiling point	Not available
Melting point/Freezing point	155 °C
Solubility (water)	Soluble
Specific gravity	Not available
Relative density	Not available
Density	1.0803 g/m3
Flash point	Not available
Flammability limits in air, upper, %by volume	Not available
Flammability limits in air, lower, % by volume	Not available
Auto-ignition temperature	Not available
VOC	Not available
Percent volatile	Not available
Other data	
Viscosity	Not available

10. Chemical Stability & Reactivity Information

Chemical stability Material is stable under normal conditions.

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	No

IATA

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated

IMDG

UN number	Not regulated
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated
Packing group	Not regulated
Environmental hazards	No

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

DIAMMONIUM PHOSPHATE (7783-28-0) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory" Listed as Active.
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16. Other Information

HMIS® ratings	Health: 0 Flammability: 1 Physical hazard: 0
NFPA ratings	Health: 0 Flammability: 1 Instability: 0

Disclaimer

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Revision date	7/6/2015
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