



## 5. Fire Fighting Measure

<b>Flammable properties</b>	Not available.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	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.
<b>Unsuitable extinguishing media</b>	Not available.
<b>Firefighting equipment/instructions</b>	Use self-contained breathing apparatus and protective clothing to avoid exposure to hydrogen chloride and other fumes.
<b>Hazardous combustion products</b>	Ammonia and possibly oxides of phosphorus.

## 6. Accidental Release Measures

<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	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.
<b>Methods for cleaning up</b>	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

<b>Handling</b>	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.
<b>Storage</b>	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 Section10. 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:**

<b>Eye / face protection</b>	Safety glasses with side shields (EN 166).
<b>Skin protection</b>	Working clothes. Wear suitable gloves (e.g. plastic, rubber or leather) when handling the product over long periods
<b>Respiratory protection</b>	If ventilation is inadequate, use suitable dust mask or respirator if dust concentration with an appropriate filter (EN 143, 149, filters P2, P3).
<b>General hygiene considerations</b>	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**

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

## 10. Chemical Stability & Reactivity Information

**Chemical stability** Material is stable under normal conditions.

<b>Conditions to avoid</b>	Incompatible materials. Heating above 155 degree celcius (decomposes). Closeness to sources of heat or fire. Heating under confinement.
<b>Incompatible materials</b>	Alkalies, strong acids, copper and its alloys.
<b>Hazardous decomposition products</b>	Ammonia is released upon reaction with strong bases or when heated.
<b>Possibility of hazardous reactions</b>	No dangerous reactions known.

## 11. Toxicological Information

### Toxicokinetics, metabolism and distribution:

**Non-human toxicological data:** Not available

### Information on toxicological effects:

#### Acute toxicity:

<b>LD50(Oral, Rat):</b>	> 2000 mg/kg bw
<b>LD50(Dermal, Rat):</b>	> 5000 mg/kg bw
<b>LC50( Inhalation, Rat):</b>	> 5 mg/L air 4h
<b>Skin corrosion/Irritation:</b>	Not classified
<b>Serious eye damage/irritation:</b>	Not classified
<b>Respiratory or skin sensitization:</b>	Not classified
<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>Reproductive toxicity:</b>	Not classified.
<b>STOT- single exposure:</b>	Not classified
<b>STOT-repeated exposure:</b>	Not classified
<b>Aspiration hazard:</b>	Not classified

## 12. Ecological Information

### Toxicity:

<b>Acute toxicity</b>		<b>Time</b>	<b>Species</b>	<b>Method</b>	<b>Evaluation</b>	<b>Remarks</b>
LC50	1700 mg/L	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	> 97.1 mg/L	72h	Algae	OECD 201	N/A	N/A

**Persistence and degradability:** Not available.

**Bioaccumulative potential:** Not available.

**Mobility in soil:** Not available.

**Results of PBT&vPvB assessment:** Not available.

**Other adverse effects:** No known significant effects or critical hazards.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport Information

### DOT

#### Basic shipping requirements:

<b>UN number</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Environmental hazards</b>	No

#### IATA

<b>UN number</b>	Not regulated
<b>UN proper shipping name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated

#### IMDG

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

## 15. Regulatory Information

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

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

## 16. Other Information

### HMIS®ratings

Health: 0  
Flammability: 1  
Physical hazard: 0

### NFPA ratings

Health: 0  
Flammability:1  
Instability: 0

### Disclaimer

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 event shall Connection Chemical, LP 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 Connection Chemical, LP has been advised of the possibility of such damages.

### Revision date

7/6/2015