



Hydration Pak 16-8-5 plus Water Storing Polymers

Safety Data Sheet

Date of revision: March, 2020

Section 1: Identification

Product Name: Hydration Pak 16-8-5 plus Water Storing Polymers

Recommended Use: Fertilizer

Manufacturer Information: Reforestation Technologies International
5355 Monterey Frontage Rd.
Gilroy, CA 95020, USA
(408) 848-9604
<https://www.reforest.com/>

Section 2: Hazard(s) Identification

Hazard Class: Minimal

Hazard Statements: None

Precautionary Statements: None

Section 3: Composition / Information on Ingredients

Chemical Name: Inorganic Chemical Fertilizer

Common Name: Hydration Pak 16-8-5 plus Water Storing Polymers

Chemical Abstracts Services (CAS):

CAS#	COMPONENT
57-13-6	POLYMER COATED UREA
7783-20-2	POLYMER COATED AMMONIUM PHOSPHATE
7757-79-1	POLYMER COATED POTASSIUM NITRATE
7722-76-1	POLYMER COATED MONOAMMONIUM PHOSPHATE
NONE	COPOLYMER OF ACRYLAMIDE

NOTE: Certain components have been coated with polyurethane.

Section 4: First-Aid Measures

Inhalation: Do not inhale. Wear mask when handling.

Skin Contact: Minimal- no incidents of irritation to skin reported. Wash thoroughly with soap and water.

Eye Contact:	Minimal- ingredients can irritate eyes. Flush thoroughly with water. Seek medical attention if irritation persists.
Ingestion:	If swallowed and the person is conscious, give large amounts of water to drink and make person vomit. Seek medical attention.
Recommendations:	An approved respirator should be used if dust exposure exceeds level of 10 mg / m ³ . For health emergencies, call your local poison control center. Provide general supportive measures and treat symptomatically.

Section 5: Fire-Fighting Measures

General Fire Hazards:	Material is essentially non-flammable.
Extinguishing Equipment:	Water, sand or fine earth. Steam smothering can be used in relatively small enclosures. Material is essentially non- flammable.
Hazardous Combustion:	None
Special Protective Equipment:	Wear full protective clothing and self-contained breathing apparatus. Use agents appropriate to surrounding materials to extinguish fire. Evacuate downwind if large quantities are involved in fire.
Unusual Fire or Explosion Hazards:	Noxious fumes of ammonia and oxides of nitrogen, phosphorus, and sulfur may form. Potassium nitrate (7.20% of the product) is an oxidizer and may increase the intensity of any fire. Decomposition products may be toxic.

Section 6: Accidental Release Measures

Containment Procedures:	Sweep up and scoop into container for reuse, recycle or disposal. Keep out of all waterways.
Cleanup Procedures:	If product is contaminated, dispose of in an approved landfill disposal facility in accordance with applicable federal, state, provincial or local regulations. Keep out of all waterways.

Section 7: Handling and Storage

Safe Handling:	Keep out of reach of children. Wear dust mask when handling. If substance is spilled, clean up accordingly.
Safe Storage:	Store in cool dry place.

Section 8: Exposure Controls / Personal Protection

Exposure Guidelines:	No exposure standard established
Engineering Controls:	Not applicable
Recommendations:	Wear mask when handling.

Section 9: Physical and Chemical Properties

Appearance:	Spherical Prills contained in biodegradable paper packets.
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Color:	Mixed light browns, dark browns, and greens.
Odor:	No appreciable odor level
Odor Threshold:	Not applicable
pH:	Not applicable
Melting Point/Freezing Point:	Decomposes on heating.
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Flammability (Solid Gas):	Not applicable
Upper/Lower Flammability or Explosive Limits:	Not applicable
Vapor Pressure:	Not applicable
Relative Density:	Not applicable
Solubility:	85-98
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	Not applicable
Viscosity:	Not applicable
Specific Gravity:	1.2 to 1.5

Section 10: Stability and Reactivity

Chemical Stability:	Stable under ambient conditions. Noxious fumes of ammonia and oxides of nitrogen, phosphorus, and sulfur may form in a fire.
Conditions to Avoid:	Extreme heat above 4000F
Incompatibility:	Not applicable
Hazardous Decomposition:	Decomposition may be toxic
Hazardous Polymerization:	Not applicable

Section 11: Toxicological Information

Acute and Chronic Toxicity:	No significant concern.
Carcinogenicity:	No significant concern.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity:	Insignificant
Aquatic Toxicity:	Insignificant

Section 13: Disposal Considerations (non-mandatory)

Recommendations on Disposal: If material is released or spilled, sweep up and scoop into container for reuse, recycling or disposal. Keep out of all waterways. Apply as soil amendment to field. If product is contaminated, dispose of in an approved landfill disposal facility in accordance with federal, state, provincial or local regulations.

Section 14: Transport Information (non-mandatory)

UN Number:	Not applicable
UN Proper Shipping Name:	Not applicable
Transport Hazard Class:	Not applicable
Packing Group Number:	Not applicable

Environmental Hazards: Not applicable
Guidance on Transport in Bulk: Not applicable
Special Precautions: None

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations: Not applicable
State Regulations: Not applicable
Other Regulations: Not applicable

Section 16: Other Information

Hazard scale: 0 = minimal, 1 = slight, 2 = moderate, 3 = serious, 4 = severe
Hazard Rating:
Health: 0
Fire: 0
Reactivity: 0
Specific: 0
Flash point (Test Method): Not applicable
Autoignition Temperature: Not applicable
Flammable limits (% by volume):
Lower: Not applicable
Upper: Not applicable

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Notice Concerning This Safety Data Sheet:

The information contained herein is offered only as a guide to the handling of these specific materials. Since such information does not relate to use of the material with any other material or in any process, any person using this information must determine for himself its suitability for any particular application. The buyer and user assume all risk and liability of use, storage and/or handling of this product not in accordance with the terms of the product label.



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