

AGRICULTURAL

Product Guide

Blending food technology with life science for **clearly better** products.



Advancing Animal Agriculture with More Effective and Ethical Hydration, Nutrition and Medication Delivery Solutions



clearH₂O

COMPANY BACKGROUND

ClearH₂O®, founded in 2005, is a Maine-based life science company meeting the needs of leading animal researchers, breeders and producers by providing products that optimize the delivery of hydration, nutrients, biologics and therapeutic ingredients to enrich animals' lives and productivity. We leverage our expertise in food science with animal nutrition and apply our proprietary gel technology to develop, manufacture and market cost-effective solutions to address unmet animal husbandry needs, while saving time and labor. ClearH₂O® products are produced in a state of the art FDA inspected manufacturing facility that are always consistent in quality, eliminating nutrient and hydration variability.

QUALITY ASSURANCE

ClearH₂O® products are manufactured under stringent quality standards that meet food grade cGMP requirements as defined and inspected by the FDA. Our manufacturing facility meets HACCP guidelines and is certified to meet the rigorous Safe Quality Food (SQF) program standards recognized by the Global Food Safety Initiative (GFSI). ClearH₂O® tests all products by an independent laboratory to ensure our products are commercially sterile and free from contamination.

The unique formulation of ClearH₂O® products for stable water retention and commercial sterility render all of our products room temperature shelf stable with extended dating. All ClearH₂O® Agriculture nutritional product ingredients meet FDA guidelines for GRAS (Generally Recognized As Safe) status, having been adequately shown to be safe under the conditions of their intended use.

CUSTOMER SERVICE

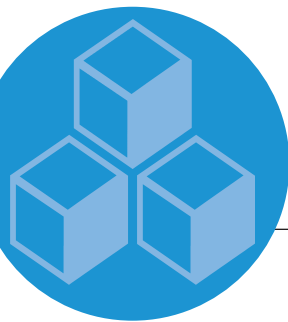
ClearH₂O®'s Customer Service Team welcomes your inquiries and orders by contacting us directly at 888-493-7645, by fax at 207-221-8905, by email at orders@clearh2o.com, or online (www.clearh2o.com).

Customers can send their orders directly to orders@clearh2o.com.

Our Customer Service hours are 8:00 a.m. to 5:00 p.m. (Eastern Time), with 24/7 message service.

Quick Reference Guide

PRODUCT	PRODUCT NO.	APPLICATION	PACKAGE SIZE	UNITS/CASE	PALLET QUANTITY	SHELF LIFE	STORAGE	PAGES
HydroGel™95	70-20-1361	Hydration & Dietary Supplement for Transportation	1020 gm Pouch	15 Pouches	70 Cases	18 Months	Room Temperature	6 - 7
DietGel®Poultry	76-01-1020	Nutrient Fortified Hydration & Dietary Supplement for Transportation	1020 gm Pouch	15 Pouches	70 Cases	24 Months	Room Temperature	8 - 9
AquaDrop®	69-559-PL	GelDrop® Delivery System for topical application of biologics, nutrients, and supplemental hydration with double-phase gel technology.	5 Gallon Pail	1-5 Gallon Pail	36 Pails	12 Months	Room Temperature	10 - 11
	69-559-PCH		4.5 lb Pouch	8 Pouches	54 Cases	12 Months	Room Temperature	10 - 11
AquaDrop® Reactant	69-600-DR	GelDrop® Delivery System spray reactant for AquaDrop®	44 lb Bag	1-44 lb Bag	N/A	24 Months	Room Temperature	10 - 11
AquaBeads®	69-510-PL	Gel beads for feed attractant top-dressing and hydration supplementation applications.	34 lb Pail	1-34 lb Pail	60 Pails	12 Months	Room Temperature	12 - 13
Gel Cutting Device & Cutting Board	90-04	Equipment	1 Box	1 Unit	N/A	N/A	N/A	14 - 15
GelDrop® Applicator	91-01	Equipment	1 Box	1 Unit	N/A	N/A	N/A	16 - 17



HydroGel™ 95

Non-Wetting Hydration Supplement Gel for Poultry, 95% Water

HydroGel™ 95 is a ready-to-use hydration supplement, containing 95% water with nutrients specifically formulated for hatchling poultry. HydroGel™ 95 enhances hatchling survival rate and their ability to overcome the stress of transportation from hatchery to farm.

Clearly Better Quality

- **Nutritionally Balanced** – Delivers hydration and nutrition during transportation.
- **Portion Control** – Gel Cubes retain their shape, composition and moisture content.
- **High Consumption** – Green color encourages consumption.
- **Non Wetting** – Hatchlings stay dry.
- **Contaminant Free** – Independent laboratory tested to be free of spoilage organisms and pathogens.
- **Quality Assurance** – Produced in an FDA approved facility with Certificates of Analysis available on-line.

Clearly Better Convenience

- **Ready-To-Use** – No measuring or mixing. Reduces time and labor.
- **Packaging** – 1020g pouches coded with lot and expiration date.
- **Portioning** – Each pouch yields 49 - 21gm or 196 - 5gm gel cubes for easy dispensing. Use our Gel Cutting Device & Cutting Board for best results.
- **Stability** – Commercially sterile. Room temperature shelf stable.

HydroGel™ 95

Nutritional Information per 100g

(calculated from database figures)

Calories	25.6 kcal
Protein	0.3 g
Carbohydrates - total	2.1 g
Sugars	0.4 g
Dietary Fiber	1.6 g
Fat – total	1.9 g
Water	94-96 %
Calcium	37.9 mg
Phosphorus	4.0 mg
Potassium	37.4 mg
Sodium	32.0 mg

Ingredients

Purified Water, Vegetable Oil, Hydrocolloids, Molasses, Corn Fiber, Plant Protein (Wheat), Food Acids, Electrolyte Blend, Vitamin Blend, Mineral Blend, Food Colors.

Shelf Life

18 months at room temperature.
No refrigeration or special handling.



Ordering Information

HydroGel™ 95 - 70-20-1361

1020 grams / pouch
15 pouches / case
70 cases / pallet

Gel Cutting Device & Cutting Board - 90-04

Chick Box Portioning

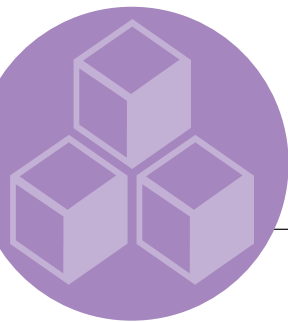
Pouches / Case	15
Grams / Pouch	1020 g

1" Gel Cubes

Cubes / Pouch	49
Grams / Cube	20.8 g
Cubes / Chick Box	4

1/2" Gel Cubes

Chicks / Chick Box	196
Grams / Cube	5.2 g
Cubes / Chick Box	16
Chick Boxes / Pouch	12.25
Chick Boxes / Case	184
Chick Boxes / Pallet	10,290



DietGel® Poultry

Hydration Supplement for Hatchling Poultry

DietGel® Poultry is a ready-to-use, nutritional supplement for hatchling poultry during transport. Combines hydration and essential nutrients, electrolytes, vitamins, and protein, in addition to natural attractants to promote consumption. DietGel® Poultry provides the hydration and nutrition hatchlings need to successfully endure and recover from the stress of transportation from hatchery to farm.

Clearly Better Quality

- **Nutritionally Balanced** – Delivers hydration and nutrition supporting early chick development.
- **Rehydrating Ingredients** – Contains Betaine to promote cell hydration and stress recovery.
- **High Consumption** – Green color and odor attractants encourage consumption.
- **Non-wetting** – Hatchlings stay dry.
- **Contaminant Free** – Independent laboratory tested to be free of spoilage organisms and pathogens.
- **Quality Assurance** – Produced in an FDA approved facility with Certificates of Analysis available on-line.

Clearly Better Convenience

- **Ready-to-Use** – No measuring or mixing, reducing time and labor.
- **Packaging** – 1020g pouches coded with lot and expiration date.
- **Portioning** – Each pouch yields 49 - 21gm or 196 - 5gm Gel Cube for easy dispensing. Use our Gel Cutting Device & Cutting Board for best results.
- **Stability** – Commercially sterile. Room temperature shelf stable.

DietGel® Poultry

Nutritional Information per 100g

(calculated from database figures)

Calories	28.5 kcal
Protein	0.5 g
Amino Acids	2.8 g
Carbohydrates - total	1.5 g
Sugars	0.1 g
Dietary Fiber	1.4 g
Fat – total	1.7 g
Water	92-96 %
Calcium	43.4 mg
Phosphorus	5.7 mg
Potassium	7.9 mg
Sodium	21.8 mg

Ingredients

Purified Water, Amino Acid Blend, Hydrocolloids, Vegetable Oil, Betaine, Food Acids, Mineral Mix, Vitamin Mix, Food Colors.

Shelf Life

24 months at room temperature.
No refrigeration or special handling.



Ordering Information

DietGel® Poultry - 70-01-1020

1020grams / pouch
15 pouches / case
70 cases / pallet

Gel Cutting Device & Cutting Board - 90-04

Chick Box Portioning

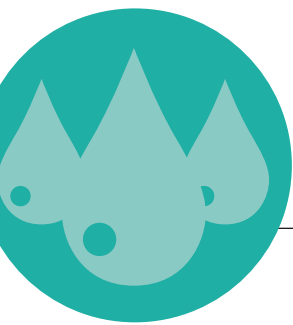
Pouches / Case	15
Grams / Pouch	1020 g

1" Gel Cubes

Cubes / Pouch	49
Grams / Cube	20.8 g
Cubes / Chick Box	4

1/2" Gel Cubes

Chicks / Chick Box	196
Grams / Cube	5.2 g
Cubes / Chick Box	16
Chick Boxes / Pouch	12.25
Chick Boxes / Case	184
Chick Boxes / Pallet	10,290



AquaDrop®

Proprietary Double-Phase GelDrop® Technology for the Topical Application of Orally Delivered Ingredients During Hatchery Processing

AquaDrop® is a ready-to-use, flowable gel for oral delivery of biologics, nutrients, and supplemental hydration to day-old chicks and poults. AquaDrop®'s physical properties produce droplets with superior surface tension allowing for optimum preening and consumption of target ingredients.

Clearly Better Quality

- **Optimized Delivery** – Exclusively designed for administration through the GelDrop® Applicator to provide enduring droplets with optimum distribution, adhesion, homogeneous ingredient suspension and non-wicking/wetting properties.
- **High Consumption** – Green color encourages consumption.
- **Contaminant Free** – Commercially sterile and Independent laboratory tested.
- **Quality Assurance** – Produced in an FDA approved facility with Certificates of Analysis available at www.clearh2o.com.

Clearly Better Convenience

- **Ready-To-Use** – No measuring, mixing, or straining before the addition of your target ingredients which eliminates inconsistency typically found in powder gels due to mixing variability or mineral and chemical contaminants from the local water supply. ClearH₂O's proprietary AquaDrop® manufacturing process ensures the highest product quality and consistency for reliable convenience for our customers.
- **Packaging** – 5 gallon pail, 36 pails/pallet - 8 / 4.5 lb pouch, 54 cases/pallet
- **Shelf Life** – 12 months at room temperature with no refrigeration.

AquaDrop®

Nutritional Information per 100g

(calculated from database figures)

Calories	16.2 kcal
Carbohydrates - total	4.2 g
Dietary Fiber	0.9 g
Water	93-97 %
Calcium	3.6 mg
Potassium	43.2 mg
Sodium	92.8 mg

Ingredients

Purified Water, Food Starch, Hydrocolloids, Electrolyte Blend, Food Acid, Food Color.

Shelf Life

12 months at room temperature.
No refrigeration or special handling.



Ordering Information

AquaDrop® - 69-559-PL
5 gallon pail
36 pails / pallet

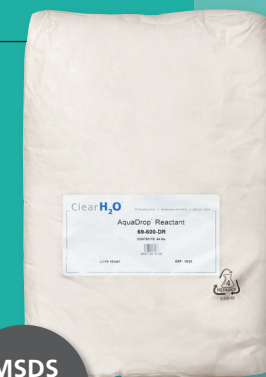
AquaDrop® - 69-559-PCH
8 / 4.5 lb pouch
54 cases / pallet

AquaDrop® Reactant

Shelf Life

12 months at room temperature.
No refrigeration or special handling.

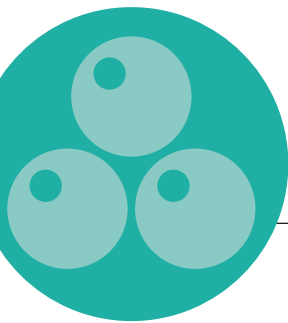
MSDS available upon request.



Ordering Information

AquaDrop® Reactant 69-600-DR
44 lb bag

MSDS
available upon
request.



AquaBeads®

Proprietary Gel Beads for Feed Attractant Top-Dressing and Hydration Supplementation Applications

AquaBeads® are a ready-to-use, 92% moisture, gel bead designed for application as a top-dressing to starter feed at the time of placement to accelerate early discovery of feed and water for improved health and growth performance.

Clearly Better Quality

- **Nutritional Hydration** – Water gel bead enhanced with electrolytes and betaine to provide both hydration and nutrition supplementation.
- **Highly Attractant** – Green color stimulates attraction to hatchlings to accelerate feed discovery.
- **Contaminant Free** – Commercially sterile and independent laboratory tested.
- **Quality Assurance** – Produced in an FDA approved facility with Certificates of Analysis available at www.clearh2o.com.

Clearly Better Convenience

- **Ready-To-Use** – No measuring, mixing, or addition of water needed for easy and clean administration.
- **Packaging** – 34 lb pail (60 pails/pallet)
- **Shelf Life** – 12 months at room temperature. No refrigeration required if unopened.

Instructions

- Apply as a feed top-dressing at a rate of 1-2 grams/hatchling/day at the time of placement.
- Applications may range from 1-3 days depending on hatchling and environmental conditions.

AquaBeads®

Nutritional Information per 100g

(calculated from database figures)

Calories	18.6 kcal
Protein	0.1 g
Carbohydrates	4.5 g
Sugars	1.7 g
Dietary Fiber	1.2 g
Fat - total	0 g
Saturated Fat	0 g
Cholesterol	0.1 mg
Water	92-96 %
Calcium	190.6 mg
Potassium	73.2 mg
Sodium	151.3 mg
Iron	0.3 mg
Magnesium	0.1 mg

Ingredients

Purified Water, Corn Syrup, Hydrocolloids, Food Acids, Modified Food Starch, Electrolyte Blend, Calcium Acetate, Betaine, Food Colors, EDTA.

Shelf Life

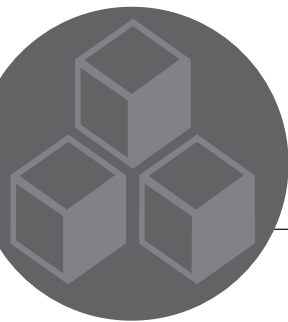
12 months at room temperature. No refrigeration or special handling.



Ordering Information

AquaBeads® - 69-510-PL
34 lb pail
60 pails/pallet





Gel Cutting Device & Cutting Board

The Gel Cutting Device & Cutting Board are designed to provide efficient and uniform portioning of ClearH₂O® hydration supplement gels for poultry.




Clearly Better Preparation

- ✓ Designed specifically for portioning HydroGel™95 & DietGel®Poultry for hydration supplementation.
- ✓ Durable construction—made of stainless steel and food grade polymer components.
- ✓ Easy to clean or sterilize.
- ✓ Produces 49 – 1" Gel Cubes (approx. 20.8g each) or 196 – ½" Gel Cubes (approx. 5.2g each) per 1020 gram gel square with interchangeable blades.
- ✓ Convenient and efficient—processing 4 gel squares in one step.



Portioning with the Gel Cutting Device & Cutting Board

1  Set up the Gel Cutting Device on the Cutting Board placed over a bucket or storage container.

2  Using a Pouchmate opener, slice the pouch open and remove the gel square.

3  Place up to four gel squares into the Gel Cutting Device hopper.

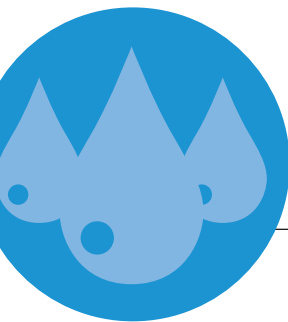
4  With the Gel Cutting Device plunger, push the gel squares through the blade assembly.



Ordering Information

Gel Cutting Device & Cutting Board - 90-04

1 box



GelDrop® Applicator

The GelDrop® Applicator is the leading gel delivery system designed to optimize topical application of biologics, nutrients, and hydration supplementation for day old chicks and poults using double-phase gel technology.

CLEARLY BETTER GEL DELIVERY

Droplet Size & Adhesion

- Dual, overlapping, independent manifold heads.
- Adjustable air pressure efficiently delivers a range of gel viscosities.
- Droplets are distributed that stick on contact, eliminating roll off.



Droplet Distribution

- Manifold nozzles provide variable size droplets.
- Adjustable height applicator bar adapts to any conveyor configuration.
- Programmable gel delivery volume provides flexibility to meet treatment needs.
- Droplet distribution promotes uniform consumption for all hatchlings.

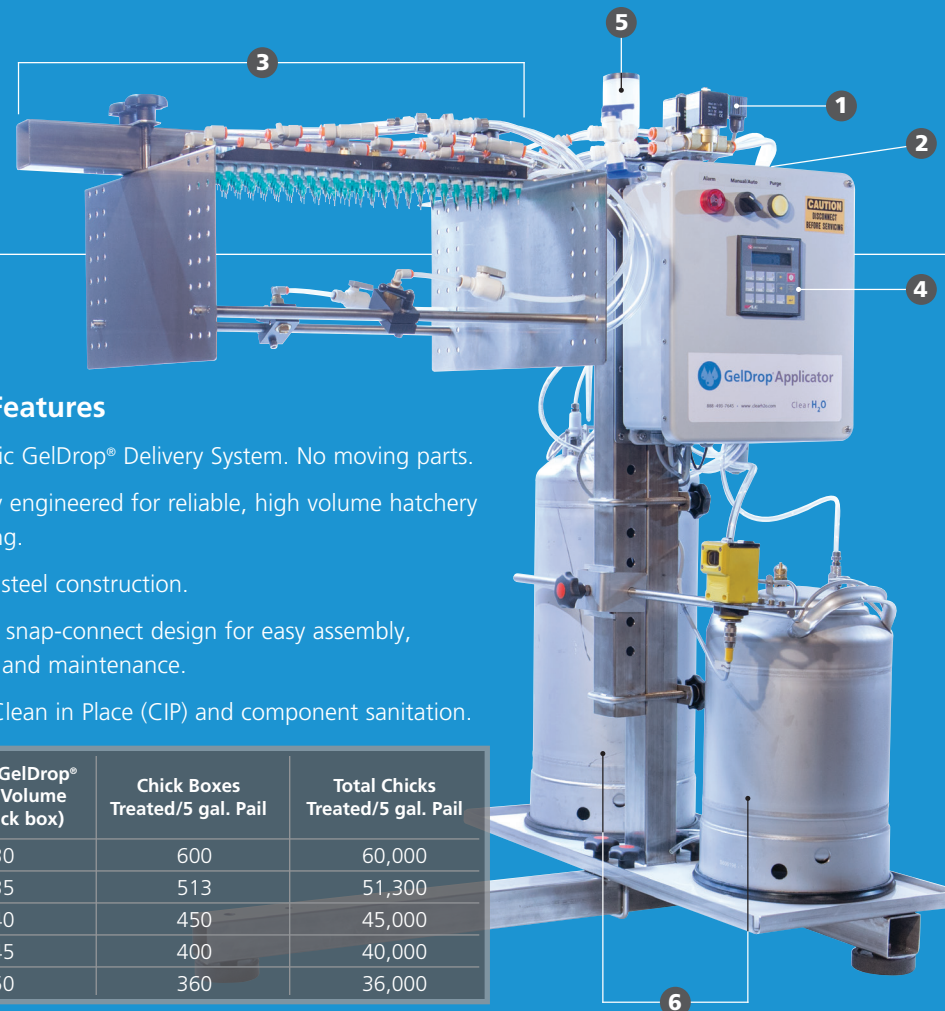


Homogeneous Ingredient Suspension

- Supports double-phase gel technology.
- GelDrop® stabilizer system maintains homogeneous suspension.

Non-Wicking/Wetting

- The GelDrop® Technology formulation has high water retention properties.
- High droplet surface tension minimizes wetting.



System Features

- ✓ Pneumatic GelDrop® Delivery System. No moving parts.
- ✓ Ruggedly engineered for reliable, high volume hatchery processing.
- ✓ Stainless steel construction.
- ✓ Modular, snap-connect design for easy assembly, cleaning and maintenance.
- ✓ Flexible Clean in Place (CIP) and component sanitation.

Average GelDrop® Dosage Volume (mls/chick box)	Chick Boxes Treated/5 gal. Pail	Total Chicks Treated/5 gal. Pail
30	600	60,000
35	513	51,300
40	450	45,000
45	400	40,000
50	360	36,000

- 1 Programmable solenoids to accommodate variable conveyor speeds.
- 2 Pneumatic air hook up. Adjustable pressure regulator (rated up to 142 psi) providing flexible dispensing dosage volume up to 60 mls.
- 3 Manifold and spray assembly for simultaneous administration of gel and reactant.
- 4 Digital display, counter, and user interface.
- 5 Programmable low-and empty-alarm light beacon.
- 6 5 gallon gel tank and 3 gallon reactant tank.

Ordering Information

GelDrop® Applicator - 91-01
1 box

System Specifications

Electrical Connection	120V AC	Height	36-51"	Pressure Tank Wt (5 gal)	20 lbs (9.07 Kg)
Compressed Air Connection	1/4" OD	Width	28"	Pressure Tank Wt (3 gal)	15 lbs (6.8 Kg)
Weight	87 Lbs (39.5 Kg)	Depth	41"	Flow Rates	up to 60 mls
				Max PSI	142 PSI

ClearH₂O[®]

Blending food technology with life science for **clearly better** products.

COMPANY INFORMATION

ClearH₂O[®] is committed to providing products that improve the welfare and productivity of poultry. We offer poultry breeders and producers gel products that support the optimum delivery of biologics, nutrients, and supplemental hydration to chicks and poults. Our proprietary product formulations and manufacturing process results in unsurpassed product consistency and convenience.

www.clearh2o.com 1-888-493-7645