



## Technical Bulletin

### Guidelines for Working with EverFresh® to Prevent Melanosis in Shrimp

#### EverFresh® Introduction – Melanosis Control

##### What is EverFresh®?

EverFresh® is a brand name for a special chemical (4-hexylresorcinol) that binds the enzyme that causes melanosis. After dipping shrimp or other crustaceans in an EverFresh® solution, melanosis will not occur after rinsing, refrigerating, freezing or thawing. It works best for shrimp when they are still alive.

##### How can I use EverFresh®?

EverFresh® is used in dips just like sulfites. One pouch measuring **200 grams of EverFresh® treats 550 pounds (250 Kg) of shrimp**. Each pouch is dissolved in 25 gallons (95 liters) of available clean fresh water, brackish water or seawater. The only requirement is that it is non-chlorinated.

##### How long does it take to treat with EverFresh®?

Shrimp are placed in a basket for a **2-minute dip** with agitating up and down to make sure all surfaces come into contact with the EverFresh® solution.

##### How do I prepare a dip-solution with EverFresh®?

Water	Pouches of EverFresh® (7.05 oz – 200 g)	Recommended Amount of Shrimp (lbs) that can be Treated before Changing the Solution
25 gallons (210 lbs)	1	500 to 600
50 gallons (420 lbs)	2	1,000 to 1,200
75 gallons (625 lbs)	3	1,500 to 1,800

##### What other things must be considered when using EverFresh®?

- Treat shrimp before exposing to chlorine solutions or concentrated brines.
- Avoid use of highly concentrated chlorinated water.
- Water temperature should be between 36°F and 81°F (2°C and 27°C).  
EverFresh® works better at ambient temperature.
- Never sprinkle EverFresh® directly onto seafood.
- Using more EverFresh® or extending the time shrimp is submerged will not increase the effectiveness of EverFresh®.



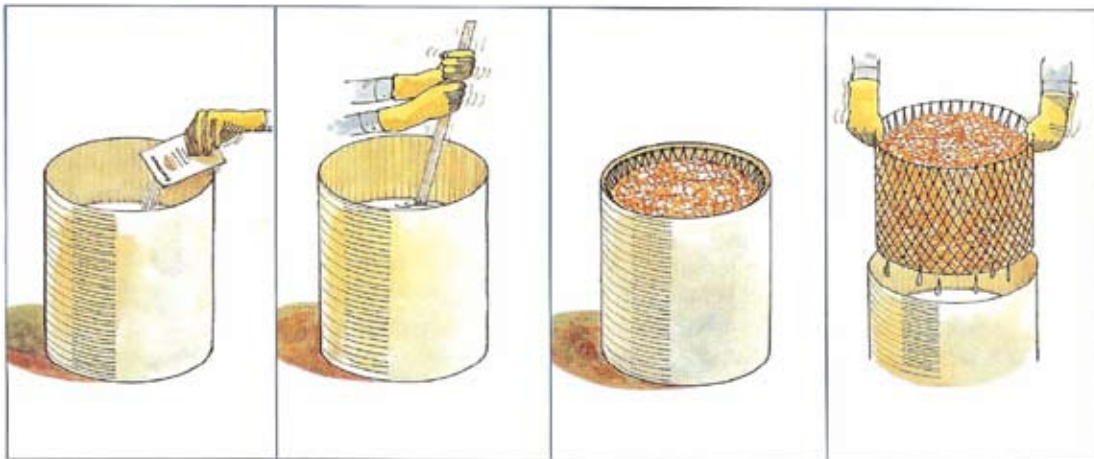
## EverFresh® Advantages – The Safe Alternative to Sulfites

In addition to its effectiveness, EverFresh® offers a number of other advantages:

- Effective at low use levels (0.08% of dip solution) versus sulfites (1.25%)
- Useful for both head-on and heads-off product
- Very safe to handle and packaged for easy storage
- Abuse proof, it is supplied in a pre-measured pouch for addition to dip tanks
- Functions as a processing aid and does not require labeling of the shrimp
- Provides consistent quality of shrimp even after thawing
- Increases profits two ways:
  1. You sell more of what you catch
  2. You earn more on what sell

## EverFresh® Usage – Easy Guidelines

EverFresh® is conveniently packaged and pre-measured for direct addition to 25 gallons (95 liters) of water in a 30 gallon (115 liter) dip tank. Since EverFresh® is formulated for use in the same manner as a sulfite dip, it does not require any change in the post-treatment, storage, shipping or processing of the shrimp.



### **Follow these simple steps:**

1. Gently pour a single 7.05 ounce (200 gram) EverFresh® pouch into 25 gallons (95 liters) of water. Mix solution for 2 to 5 minutes.
2. Dip basket containing 50-60 pounds (25-30 kilograms) of shrimp – heads on or heads off – into solution for about two minutes. Move basket up and down to allow complete contacting and submersion of all shrimp.
3. Remove basket while draining excess solution into the tank.
4. The procedure in steps 2 and 3 may be repeated up to ten times prior to discarding the solution and preparing a new solution.

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