

# FORMULA EW-90

## Powdered Defoaming Non-Chlorinated Egg Wash Detergent

Formulated for use in automatic shell egg washing machines. Combines specialized surfactants, alkalis and defoamers for effective removal of chicken feathers, fecal matter, dirt, mud, blood, feed residue, and other soils. Reduces the number of eggs which are reworked or downgraded, thus saving time and money. Non-foaming in warm or hot water. Contains water conditioning agents for reduced buildup of hard water scale inside machine. Acceptable for use in federally inspected poultry processing plants. Non-chlorinated.

### Directions for Use

The amount of product to be used will vary according to the soil level, machine type and amount of egg breakage. Your Service Representative will analyze these variables and set up usage concentrations accordingly. For most egg washing operations, use this product at a concentration of ¼ to 1 ounce per gallon of hot water. For best results, maintain a minimum pH of 10.5 in the solution tank and wash only cool eggs. Keep wash solution at a temperature that is 20°F higher than the eggs themselves, but not more than 40°F higher. Wash solution temperature should be maintained at 100°F - 120°F. Lower temperatures may cause foaming. If needed, inject an approved foam control additive to suppress excess foam. Change solution every four hours or as required by health authorities. Do not use in hard water containing more than 2 ppm iron. Washed eggs should be promptly rinsed with warm, potable water followed by application of an EPA registered sanitizer. Eggs should dry completely before packaging.

### Safety Reminder

Consult product label and Safety Data Sheet (SDS) before use. SDS's may be downloaded from [www.crown-chem.com](http://www.crown-chem.com).



### Technical Specifications

Appearance	White Powder
Odor	Characteristic
pH (1% solution, 22°C)	>11.0
Foaming	Very Low
Flash Point	NA
Bulk Density (lbs/gal, 22°C)	9.00 ±0.1
Stability Range	NA
Free Alkalinity (as Na <sub>2</sub> O)	High
Solubility (in H <sub>2</sub> O, 22°C)	100%
Phosphate Content (as P)	None

### Product Number

99550  
99501

### Packaging

50 lb. drum  
100 lb. drum