



Arm & Hammer Animal and Food Production  
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PORCIBROM™

INFORMATION

## PORCIBROM™

**PorciBrom™** is a free-flowing, bromine-based nugget product. The active ingredient is 1,3-dibromo-5,5-dimethylhydantoin (CAS #77-48-5).

### Applications

PorciBrom is an FDA approved post-harvest antimicrobial for pathogen reduction on pork hides, carcasses, heads and organs. It can be used up to residuals of 900 ppm as bromine. PorciBrom must be dissolved in water in an appropriate feeder before being used in any application.

### Specifications

Appearance	white to off-white nuggets
Assay, wt% 1,3-dibromo-5,5-dimethylhydantoin, min	98.0

### Typical Physical Properties

Available Br <sub>2</sub> , wt%	111
Packed bulk density, g/cm <sup>3</sup> , at ambient temperature, approx.	1.1
Size range, approx.	0.312" x 6 mesh
Melting/Decomposition temperature F (C), DSC	>374 (> 190)
Solubility in water, wt%, at 68 F (20 C)	0.1
pH (1% slurry in pH 7 water)	6.0-6.5
Odor	mild halogen

### Shelf Life

Shelf life of this product is at least three years at normal ambient conditions when properly stored in its original container and contact with moisture is avoided.

### Compatibility

*Compatible:* PorciBrom, at its end-use concentration, is compatible with commonly used materials of construction in pork processing plants. In its neat form, at ambient temperatures, this product is expected to be compatible with high-density polyethylene (HDPE), low-density polyethylene (LDPE), polypropylene (PP), Teflon®, polyvinyl chloride (PVC), Viton®, Kynar®, chlorobutyl rubber, Hypalon®, titanium and Hastelloy® C. Feeders made of fiber reinforced vinyl ester resin can be used for product application.

*Incompatible:* In its neat form, this product is not compatible with nylon and most common metals such as aluminum, brass, copper, iron, carbon steel, stainless steel, and galvanized steel. Do not store this product in metals and fiberboard containers.

This product is a strong oxidizing and brominating agent. Avoid contact with other chemicals, especially reducing agents, acids, ammonia-containing products, organic materials (such as aldehydes and alcohols), and other oxidizing agents (such as calcium hypochlorite). Use of incompatible materials can promote the exothermic decomposition of the product.

# PORCIBROM™ INFORMATION

## Container Information

Available in 50-lb pails

## Shipping Classifications

Proper shipping name: OXIDIZING SOLID, CORROSIVE N.O.S.  
(1,3-DIBROMO-5,5-DIMETHYLHYDANTOIN)

Hazard class: 5.1

ID number: UN3085

Packing Group: II

Label: Oxidizer with number 5.1

Placard: Oxidizer with number 5.1

## Safety and Handling Information

For specific safety and handling information, please refer to the current material safety data sheet, which is available upon request.

Visit [www.AHfoodchain.com](http://www.AHfoodchain.com) for more information about PorciBrom™