

DETIA DEGESCH

FUMIGATION SOLUTIONS

AN INTERNATIONAL COMPANY FOR
STORED PRODUCT PROTECTION



- » No ozone layer depletion
- » Occupational safety
- » Free of product residues
- » Flavor and aroma of stored goods will not be impaired
- » Effective against stored products pests including eggs and pupae
- » Safe and easy application
- » Product of choice for sensitive goods and packed commodities

DETIA DEGESCH GMBH

Dr.-Werner-Freyberg-Str. 11 | D-69514 Laudenbach
Tel: +49 (0)6201 - 708-0 | Fax: +49 (0)6201 - 708-402
export@detia-degesch.de | www.detia-degesch.de



PHOSTOXIN® BAG / CHAIN / BLANKET

Nº1 FUMIGATION SOLUTIONS WORLDWIDE

PRODUCT INFORMATION

The Phostoxin Bag / Chain / Blanket contains 57% aluminium phosphide inside a Tyvek material which forms an integral part of the concept. Once the Bags are removed from the original shipping container, a hermetically sealed aluminium foil pouch, the decomposition will commence with a delay due to special retardant ingredients in accordance with the safety and health regulations of the different countries. Phosphine gas can control all developmental stages of stored product pests such as such as Cigarette Beetle, Lesser Grain Borer, Granary and Rice Weevil, Red and Confused Flour Beetle, Moths and many others. Quality of flavor, taste, color etc. of treated products are not adversely affected. In addition to its excellent insecticidal properties, hydrogen phosphide diffuses very rapidly and easily, penetrates packing materials like jute bags, paper, wood or synthetic materials, the same applies to densely packed commodities such as cocoa and coffee in bags.

- » An improved mixture with incorporated absorbent material to enhance a delayed start of decomposition
- » The phosphine-absorbing property of the formulation renders all packing virtually free of phosphine; this also applies for long-term storage.
- » The variety of products provides for convenience of application in all types of storage situations.

» The use of Tyvek bag material (polyethylene fleece) which is permeable to water vapour and phosphine but practically impermeable to liquid water.

» Due to the absence of ammonium carbamate there will be no pH-shift and therefore it is recommended to fumigate sensitive products such as tobacco, tea or spice with Bags.

» Very quickly applied also directly to bulk raw agricultural commodities and just easy to retrieved after the fumigation.



FIELD OF APPLICATION

Phostoxin bags are intended to be used for packaged or bagged goods and processed commodities, i.e. coffee, cocoa, cocoa beans, Tobacco, grain, rice seeds, animal feed, , tea, herbs, nuts, cotton, jute, tobacco, pulses, flour, spices, chocolate, candy, etc. Phostoxin bags can be applied successfully under almost all storage conditions, provided that the structure is tightly sealed. An accurate count of the Bags is to be kept since the Bags must be removed after the fumigation

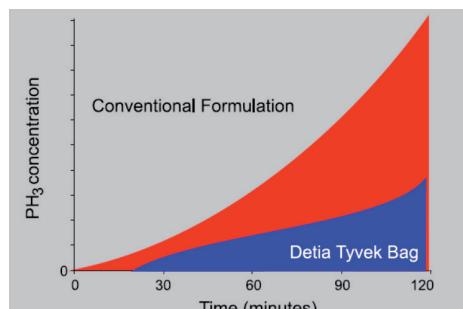
The speed of decomposition depends on two factors, namely, the humidity and the temperature of the room respectively the commodity. When humidity and the temperature to which the Bags are exposed are high, decomposition will require minimum 3 days. However, at moderate temperatures and low humidity, decomposition will take longer. If properly exposed, the completely degassed Bags will normally contain only a small amount of unreacted aluminium phosphide which may be disposed of without hazard.

DOSAGE AND EXPOSURE TIME

Dosage and exposure time depend on a number of factors such as temperature and humidity, type and sealing of storage, commodity and packing, type of stored product pest to be controlled.

Detia Degesch has developed its recommended standard dosages and exposure time to achieve successful fumigation. The summary of a good fumigation practice is documented in the Detia Degesch Fumigation Standard. For more information's, please contact us at export@detia-degesch.de.

PRODUCT SPECIFICATION



PHOSTOXIN BAG, CHAIN, BLANKET				
	Number of bags	Weight (gr)	Phosphine (gr)	Size (mm)
Single Bag	1	34	11,3	110 x 110
Bag Chain	10	340	113	1100 x 110
Bag Blanket	100	3400	1130	5900 x 220