

# MAGTOXIN®

## DEGESCH PLATE / STRIP



### PRODUCT INFORMATION

#### DEGESCH PLATE/STRIP

The Degesch Plate and Degesch Strip are magnesium phosphide based formulations which release hydrogen phosphide upon exposure to atmospheric moisture.

The active ingredients are embedded in an inert, plastic matrix and fabricated in the form of a semi-rigid plate covered on both sides with a moisture-permeable paper. Each Degesch Plate and Strip is individually sealed in a gas-tight foil pouch. The Degesch Strip consists of 20 interconnected Degesch Plates.

### ADVANTAGES OF DEGESCH PLATE/STRIP

- No ozone layer depletion
- Safe and easy application
- Highly effective at low temperature
- No contamination of treated goods with phosphide residues
- Flavor and aroma of stored goods will not be impaired
- Effective against stored products pests including eggs and pupae
- Product of choice for sensitive goods and packed commodities

### EFFICACY

Once removed from the foil pouches, Degesch Plate and Strip start evolving hydrogen phosphide only after a short, but sufficient delay period. Hydrogen phosphide evolved from the Degesch Plate or Strip has been found effective for the control of all developmental stages of stored product insects (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 such as paper, wood or synthetic materials, the same applies to densely packed commodities such as tobacco in cases, bales, or hogsheads.

### FIELDS OF APPLICATION

Degesch Plate and Strip are intended to be used for packaged or bagged goods and processed commodities, i.e. grain, rice, animal feed, coffee, cocoa, tea, herbs, nuts, cotton, jute, tobacco, pulses, flour, spices etc. Degesch Plate and Strip can be applied successfully under almost all storage conditions, provided that the structure is tightly sealed. With extended exposure time Degesch Plate and Strip can be used even at low temperatures and under climatic conditions with less humidity.



Care. Protection. Quality.

### 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](http://www.detia-degesch.de)

### DETIA DEGESCH

is the leading provider of aluminium and magnesium phosphide insecticides for a sustainable protection of harvest in silos, warehouses and on ships. We offer practicable and effective solutions against pest infestation for durable food products, such as grain, cocoa, coffee, nuts, pulses as well as tobacco during storage, shipment and further processing.

Our 200 Years experienced family company, located in Germany, is specialist in stored product protection and pays special care to the correct and responsible use of high quality products in more than 120 countries in the world.

For more information:

[www.detia-degesch.de](http://www.detia-degesch.de)

# Phostoxin®

# Magtoxin®

## FUMIGATION SOLUTIONS

- Screw cap with designed grip surface for easy handling
- Seamed aluminium lid for 100% gas tightness
- UN approved flask for safe transportation
- Whole packaging recyclable

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## TABLET \* / PELLET \*



### PRODUCT INFORMATION

Detia Degesch offers two types of press compounds and each of them with two different active ingredients depending on the time and place of application. Phostoxin products contain 56-57% aluminium phosphide and allow a sufficient rapid and effective treatment. Magtoxin products have 66% magnesium phosphide and react faster due to its chemical characteristics.

Tablets and pellets commence developing phosphine gas after a short delay when exposed to the atmosphere depending on the temperature and humidity. Due to the small size of the pellets, decomposition is faster than with tablets.

Phosphine gas controls all developmental stages of stored product pests as well as rodents in outside locations. The gas penetrates packing material as well as densely packed commodities.

### FIELD OF APPLICATION

The use of tablets and pellets is not limited to any particular type of storage as far as it can be sealed gas-tight. They can be applied in silo installations, warehouses, containers, ships, etc. either by hand or inserted by a probe. When fumigating silo bins, pellets or tablets should be added to the commodities during the filling procedure.

Taking different parameters into consideration, the most economical and safe method of application whilst filling a silo, is the use of an automatic dispenser.

## EFFECTIVE / SAFE



- Screw cap with designed grip surface for easy handling
- Contains in-built seal
- Screw cap with thorns for safe opening



- Seamed aluminium lid for 100% gas tightness
- Additional sealing = extra user protection



- UN approved flask for safe transportation
- Printed batch enables traceability



- High value aluminium flask
- Whole packaging recyclable
- Unique „Detia Degesch Group“ embossing

## BAG \* / CHAIN \* / BLANKET \*



### PRODUCT INFORMATION

PHOSTOXIN® Bags (Bag/Chain/Blanket) contain 57 % aluminium phosphide inside a Tyvek material, which forms an integral part of the product technology. An improved mixture with incorporated absorbent material ensures a delayed and safe start of decomposition.

The special surface allows moisture to pass through the bag but liquid water does not penetrate. This guarantees an additional control on the speed of release of gas. This composition enables phosphine concentration to rise slowly, therefore Phosphine is generated over a longer period. A lethal concentration to the pests is maintained for an extended period. Blankets are a modification of the worldwide used bags. The idea is to combine hundreds of bags in a special matrix so that a fumigation can be carried out economically and conveniently.

### FIELD OF APPLICATION

The bag is recommendable especially for the fumigation of small spaces and bulk storages such as rail cars. They may also be added directly to bulk raw agricultural commodities and other commodities. In this the bags must be taken out when the commodity is removed from the bin.

The PHOSTOXIN® Bag Blanket is produced in a long fabric strip containing 100 bags. It is suited for a large scale fumigations such as ship holds, flat storage and space fumigation. The Bag Blanket is easily applied and also removed after the fumigation.

Due to the absence of ammonium carbamate there will be no influence of taste and smell of products and therefore it is recommended to fumigate sensitive products with bags.

\* Also branded as Detia Gas-Ex Products

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