

**READ ATTACHED INSTRUCTIONS BEFORE USE****Directions for use**

This information is part of the approved Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product. For space fumigation Degesch Plate can be recommended. Degesch Plate can be used for the control of pests in grain such as rice, wheat, barley, maize, oats, sorghum, millet and rye, cereal products, cocoa beans, coffee, dried fruit, dried vegetables, expeller, hay, herbs, malt, medicinal plants, nuts, oil seeds, pulses, spices, tea and tobacco. Degesch Plate have been found effective against the following insects and their pre-adult stages. These include Grain, Rice, Bean and Pea Weevils, Red rust flour beetle, Confused flour beetle, Khapra beetle, Drugstore beetle, Lesser grain borer, Saw-toothed grain beetle, Tobacco beetle, Mealworm beetle, Red rust grain beetle, Warehouse beetle, Shiny spider beetle, Indian meal moth, Angoumois grain moth, Tobacco moth, Mediterranean flour moth, Mould and Flour mite. Local regulations for disposal must be strictly adhered to. **WARNING: DO NOT RE-SEAL SACHET.** Spontaneous combustion can occur due to sudden release of phosphine gas if a sachet, having been opened once, is re-opened.

**Restrictions:** DO NOT treat commodities intended for use as seed or for germination more than once. Multiple treatments of a batch are only permitted when a new infested batch has been added to the storage facility. No more than 3 applications per batch are permitted.

**RESISTANCE:** Resistance to phosphine has been reported in a number of storage pests. Poor fumigation practice is likely to lead to ineffective treatments which may result in the selection and survival of individual pests resistant to phosphine. Multiple treatments to the same batch are more likely to select for resistant individuals and should only be considered when a new infested batch is added to the same storage facility. Follow the best available storage practice in order to maximise the effectiveness of the fumigation and avoid the need for repeated use of phosphine. Such practice should follow an integrated pest management (IPM) approach including the use of non-chemical control methods (e.g. hygiene, temperature and humidity control) together with the use of phosphine in gas tight storage rooms at a sufficient dose and exposure period. Where available and practical the use of an insecticide with a different mode of action should also be considered.

**Other information:** Following fumigation there must be an airing-off period until gas levels drop below 0.03 ppm. Fumigation with Degesch Plate should not be undertaken in conditions of low humidity, or when the temperature of the commodity to be treated is below 10°C. May cause taint of oily material. Operators should warn their clients of the possibility of taint caused by this product. Phosphine is corrosive to copper-based materials. Sensitive equipment containing copper components should be protected during treatment.

**Dosage and Application:** Break foil, remove plate from foil sachet. Staple or hang onto a wall, or place on the surface of the commodity or floor of the building. Use the following table for guidance:

| Crops  | Maximum Total Dose                   | Exposure Time |
|--|--------------------------------------|---------------|
| Stored grain (rice, wheat, maize, oats, sorghum, rye, millet), cereal products, cocoa beans, coffee, dried fruit, dried vegetables, expeller, hay, herbs, malt, medicinal plants, nuts, oil seeds, pulses, spices, tea, and tobacco. | 5.5g PH <sub>3</sub> /m <sup>3</sup> | 2.5-5 days    |
| Space fumigation   | 5.5g PH <sub>3</sub> /m <sup>3</sup> | 2.5-5 days    |

**Safety Zone:** Place warning notices at the fumigation area and all points of access to the risk area. A 5m risk area must be established around treated areas / buildings.

**Withholding period:** After airing, the following withholding periods must be observed for the edible commodities.

|  |         |
|--|---------|
| Cereals, oilseeds and processed oilseed products (i.e. expeller), pulses, tea, coffee, herbal infusions, cocoa, spices, dried vegetables, dried fruits, dried mushrooms and hay. | 7 days  |
| Processed cereal products  | 14 days |
| Tree nuts.   | 21 days |
| Pistachios   | 35 days |

**FIRST AID:** If any of the above mentioned symptoms occurs or if poisoning is suspected STOP WORK. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL seek medical advice immediately. Symptoms of phosphine poisoning include faintness and a feeling of constriction in the chest. Remove patient into fresh air. Prevent all exertion. Keep patient warm. Call doctor AT ONCE and show him this label. If breathing stops or shows signs of failing administer artificial respiration using oxygen and a suitable mechanical device such as a bag and mask. Do not use mouth-to-mouth resuscitation.

**GUIDE TO DOCTOR:** No specific antidote is known. Treatment for suspected poisoning should be symptomatic and supportive care. For further information contact your local National Poisons Information Centre. 0844 892 0111.

# Magtoxin®

## DEGESCH PLATE

A gas-generating preparation for use against insects which infest stored commodities

ACTIVE INGREDIENT: 56% w/w Magnesium Phosphide (CAS no. 12057-74-8)

MAPP 20940

UFI: 6G1U-K1P6-2200-RQP2

FOR USE ONLY AS AN INSECTICIDE IN FOOD STORAGE PRACTICE

The (COSHH) Control Of Substances Hazardous to Health

Regulations may apply to the use of this product at work.

This product is approved under Regulation (EC) No 1107/2009.

### Contents: 1x117g

This gas is odourless, highly flammable, corrosive and very toxic for humans and animals. Avoid any unnecessary contact with the preparation. Misuse may cause health damage.

### DANGER



In contact with water releases flammable gases which may ignite spontaneously. Fatal if swallowed. Harmful in contact with skin. Fatal if inhaled. Very toxic to aquatic life. Contact with water liberates toxic gas. Contact with acids liberates very toxic gas. To avoid risks to human health and the environment comply with the instructions for use. Keep away from any possible contact with water, because of violent reaction and possible flash fire. Protect from moisture. Keep only in original container. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Brush off loose particles from skin. In case of fire: Use dry sand or powder then use CO<sub>2</sub> for extinction. Store in a dry place. Store in a closed container. Store locked up.

**Authorisation holder:** Detia Freyberg GmbH, Dr.-Werner-Freyberg-Str. 11, 69514 Laudendbach / Germany

**Marketing company:** Rentokil Initial UK Ltd  
Compass House, Manor Royal, Crawley, West Sussex, RH10 9PY

**Product Advice Line:** +44(0) 151 548 5050

**Emergency Line:** +44(0)1342 833 022

MADE IN GERMANY



UN2011  
MAGNESIUM PHOSPHIDE  
MIXTURE

### IMPORTANT INFORMATION FOR USE ONLY AS AN INSECTICIDE IN FOOD STORAGE PRACTICE

| Crops / situations   | Maximum individual dose (no. plates / 6m <sup>2</sup> ) | Maximum number of treatments (per batch) |
|--|---|--|
| Grain, processed consumable products, pulses, stored oil seeds, nuts, tea, coffee, cocoa, carob and herbal infusions, stored and dried spices. | 1   | 3  |
| Crop handling and storage structure.   | 1   | 3  |
| Tobacco.   | 1   | 3  |

**Other specific restrictions:** This product must be used only by operators trained in the use of magnesium phosphide and familiar with the precautionary measures to be observed. See HSE guidance for employers and technicians carrying out fumigation operations (HSG251, as amended).

Before applying this product to a ship cargo hold, users must follow current guidance issued by the International Maritime Organisation's Marine Safety Committee on the safe use of pesticides.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

#### SAFETY PRECAUTIONS

**Operator protection:** Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment. WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT\* when applying the product and re-entering treated areas before the phosphine gas air concentration is below 0.03ppm. \*Half-mask to at least EN 140 with a gas filter to at least EN 14387 B1, or equivalent. However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. TO BE USED ONLY BY AN OPERATOR TRAINED IN THE USE OF MAGNESIUM PHOSPHIDE and familiar with the precautionary measures to be observed. See HSE Guidance for employers and technicians carrying out fumigation operations (HSG251, as amended). CAUTION: THE CONTENTS OF THIS PACK ARE POISONOUS. INHALATION OF DUST OR VAPOUR IS DANGEROUS. CONTACT WITH WATER LIBERATES VERY TOXIC, HIGHLY FLAMMABLE GAS WHICH IS IRRITATING TO THE EYES AND RESPIRATORY SYSTEM. DO NOT BREATHE GAS. WHEN USING DO NOT EAT, DRINK OR SMOKE. DO NOT SMOKE AND EXTINGUISH ALL NAKED FLAMES, INCLUDING PILOT LIGHTS. AVOID ALL CONTACT BY MOUTH SKIN OR EYES. Sp1 After contact with skin first remove product with a dry cloth and then wash with plenty of water. WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work. OPEN CONTAINER IN A WELL VENTILATED SPACE. Once the sachet has been opened, the plate should be removed from the sachet and used immediately. USE ONLY UNDER CONDITIONS WHICH ALLOW NO LEAKAGE of gas to adjacent occupied premises. DO NOT ALLOW PLATES OR THEIR SPENT RESIDUES TO COME INTO CONTACT with food or feed other than the raw commodity.

**Environmental protection:** Do not contaminate water with the product or its container. Access by livestock, pets and other non-target mammals and birds to buildings under fumigation and ventilation must be prevented. Bats are protected species, Natural England, Scottish Natural Heritage or the Countryside Commission for Wales should be consulted if bats are present in buildings.

**Consumer protection:** KEEP ALL PERSONS AND ANIMALS OUT of the fumigation area and adjacent areas into which gas might penetrate. Unprotected persons must be kept out of treated areas until the phosphine concentration in the atmosphere has fallen to below 0.03 ppm. Following fumigation there must be an airing-off period until gas levels drop below 0.03 ppm.

**Storage and disposal:** After fumigation dispose of any spent residue by immersing in water to which a small amount of wetting agent or detergent has been added. REMOVE USED PLATES AFTER TREATMENT AND DISPOSE OR SAFELY. DO NOT BULK spent residues / used envelopes. Spontaneous ignition could result. KEEP IN ORIGINAL CONTAINER, tightly closed, under lock and key, in a cool, well-ventilated and dry place, away from dwellings. EMPTY CONTAINER COMPLETELY and dispose of safely. DO NOT RE-USE CONTAINER FOR ANY PURPOSE. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. KEEP OUT OF REACH OF CHILDREN.

**Important:** The Poisons Act 1972 applies to this product.

**PROTECT FROM FROST**

Batch number: