

**STATUTORY CONDITIONS RELATING TO USE**  
**FOR PROFESSIONAL USE.**  
**FOR USE ONLY AS A FUMIGANT IN FOOD STORAGE PRACTICE.**  
 Crops / situations: see 'DIRECTIONS FOR USE'  
 Maximum Individual Dose:  
 Once opened the contents of the container must be used immediately.  
 Unprotected persons must be kept out of treated areas until the phosphine concentration in the atmosphere has fallen below the Occupational Exposure Standard.  
 After following the appropriate exposure times, the following minimum airing periods must be observed:  
 \* Rice, wheat, barley, maize, oats, sorghum, rye, millet and oilseeds - four hours  
 \* Animal feed, flour, spices, confectionery, biscuits, dried fruit and nuts and tobacco in cases or bales - two days  
 \* Tobacco in hogsheads - three days  
**Storage:** This product must be kept in its original container, tightly closed under lock and key in a cool, well ventilated dry place away from dwellings.  
**Use:** To avoid risks to man and the environment, comply with the instruction for use.  
**Operator protection:** Engineering control of operator exposure must be used where reasonable practicable in addition to the following personal protective equipment:  
 S37 Wear suitable gloves AND SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT\* when opening container, handling and placing the tablets. S 22 Do not breathe dust  
 \* (i.e. full face respirator with appropriate gas filter cartridge (which also meets P3 standard for particulates) or RPE offering equivalent protection).  
 However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.  
**Environmental protection:** VERY TOXIC TO AQUATIC ORGANISMS. Avoid release to the environment. Refer to special instruction/safety data sheets. Do not contaminate surface waters or ditches with chemical or used container. Prevent access by livestock, pets and other non-target mammals and birds to buildings under fumigation and ventilation. Bats are protected species, consult English Nature, Scottish Natural Heritage or the Countryside Commission for Wales as appropriate, if bats are present in buildings.  
**Other specific restrictions:** TO BE USED ONLY BY OPERATORS TRAINED IN THE USE OF ALUMINIUM PHOSPHIDE and familiar with the precautionary measures to be observed. See HSE Publication 'Fumigation: Health and safety guidance for employers and technicians carrying out fumigation operations'.  
 IN CASE OF FIRE, use dry sand, powder or CO2. Never use Water.  
 Remains of containers must be removed after treatment and buried. All persons and animals must be kept out of fumigation area and adjacent areas into which gas might penetrate.  
 DO NOT RE-USE CONTAINER FOR ANY PURPOSE.  
**READ ALL PRECAUTIONS BEFORE USE**

**PRECAUTIONS**  
 CONTACT WITH WATER LIBERATES VERY TOXIC, HIGHLY FLAMMABLE GAS WHICH IS IRRITATING TO THE EYES AND RESPIRATORY SYSTEM. CONTACT WITH ACIDS LIBERATES VERY TOXIC GAS. VERY TOXIC TO AQUATIC ORGANISMS. TO BE USED ONLY BY OPERATORS TRAINED IN THE USE OF ALUMINIUM PHOSPHIDE and familiar with the precautionary measures to be observed. See HSE publication 'Fumigation: Health and safety guidance for employers and technicians carrying out fumigation operations'.  
 \* (i.e. full face respirator with appropriate gas filter cartridge (which also meets P3 standard for particulates) or RPE offering equivalent protection). Other protective clothing must also be worn in accordance with HSE Guidance Notes CS10 'Fumigation Using Phosphine'.  
**OPEN CONTAINER IN A WELL VENTILATED SPACE. S 22 Do not breathe dust. AVOID ALL CONTACT BY MOUTH. EXTINGUISH ALL NAKED FLAMES INCLUDING PILOT LIGHT WHEN FUMIGATING. WASH HANDS AND EXPOSED SKIN before meals and after use. WHEN USING DO NOT EAT, DRINK OR SMOKE. KEEP ALL PERSONS AND ANIMALS OUT of fumigation area and adjacent areas into which gas might penetrate. DO NOT ALLOW TABLETS OR THEIR SPENT RESIDUES TO COME INTO CONTACT WITH FOOD OR FEED other than raw commodity. DO NOT BULK SPENT RESIDUES / used envelopes. Spontaneous ignition could result. Do not contaminate surface waters or ditches with chemical or used container. Avoid release to the environment. Refer to special instructions/safety data sheets.**  
**KEEP IN A DRY PLACE AWAY FROM DWELLINGS. EMPTY CONTAINER COMPLETELY and dispose of safely in accordance with the guidelines given in 'Pesticides: Code of Practice for the Safe Use of Pesticides on Farms and Holdings'.**  
**DO NOT RE-USE CONTAINER FOR ANY PURPOSE.** Remains of containers must be removed after treatment and buried. Once opened the contents of the container must be used immediately. All persons and animals must be kept out of 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 below the Occupational Exposure Standard.

**FIRST AID:**  
 S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). Symptoms of phosphine poisoning include faintness and a feeling of oppression in the chest. Affected persons should stop work immediately, go to fresh air, kept warm and be given absolute rest. CALL A DOCTOR IMMEDIATELY AND SHOW HIM CONTAINER.  
**GUIDE TO DOCTOR:** Treatment for suspected poisoning should be symptomatic and supportive care. **NOTE TO DOCTOR:** For further information contact your local National Poisons Information Centre.



# DETIA-GAS-EX T

For the control of insects which infest stored raw or processed foods and tobacco.



VERY TOXIC



DANGEROUS TO THE ENVIRONMENT



HIGHLY FLAMMABLE

**VERY TOXIC IF SWALLOWED AND BY INHALATION. HARMFUL IN CONTACT WITH SKIN.**

**ACTIVE INGREDIENT:**

Aluminium Phosphide 56 % w/w

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work (UK only).

**Contents: 334 spheric tablets approx.**

**Net weight: 1000 g**

## Risk and Safety information

**VERY TOXIC IF SWALLOWED AND BY INHALATION.**  
**HARMFUL IN CONTACT WITH SKIN.**  
**CONTACT WITH WATER LIBERATES TOXIC, EXTREMELY FLAMMABLE GAS**  
**CONTACT WITH ACID LIBERATES VERY TOXIC GAS**  
**VERY TOXIC TO AQUATIC ORGANISMS**  
 S2 Keep out of the reach of children.  
 S3/9/49 Keep only in the original container in a cool, well ventilated place.  
 S7/8 Keep container tightly closed and dry.  
 S13 Keep away from food, drink and animal feeding stuffs.  
 S20/21 When using do not eat, drink or smoke.  
 Avoid contact to skin and eyes  
 S23 Do not breathe gas.  
 S30 Never Add Water to this product.  
 S45 In case of accident or if you feel unwell, seek medical advice immediately

To avoid risks to man and the environment, comply with the instruction for use.

MAFF 03792 / PCS No. 92343

**Batch: see base**

**UN No.: 1397**

## IMPORTANT INFORMATION

### DIRECTIONS FOR USE:

Detia-Gas-Ex T can be used for the control of pests in grain such as rice, wheat, barley, maize, oats, sorghum, millet, rye etc., leaf tobacco, processed foods and animal feeds as well as flour, dried fruit, nuts, spices, oilseeds, confectionary and biscuits. These commodities may be fumigated under gas proof sheets or in other sealed enclosures.

Detia-Gas-Ex T has been found effective against stored product insects and their preadult stages (eggs, larvae and pupae). Insects controlled include grain and rice weevils, saw toothed grain beetle, confused flour beetle, lesser grain borer, flat grain beetle, cadelle, khapra beetle, Indian meal moth, Mediterranean flour moth, cigarette beetle and tobacco moth.

No fumigation with Detia-Gas-Ex T should be undertaken in conditions of low humidity. There must be a minimum of four hours airing off after fumigation unless otherwise stated. USE ALL CONTENTS OF FLASK. DO NOT RE-SEAL.

**WARNING:** Spontaneous combustion can arise due to sudden release of phosphine gas if a flask having been opened once is then re-opened.

**DOSAGE AND APPLICATION:** When fumigating silo bins it is recommended to use the automatic tablet / pellet dispenser.

Commodities	Maximum individual dose in g per m <sup>3</sup> (tablets / m <sup>3</sup> )	
	Gas-light situations	Non gas-light situations
Cereals, rape seed, cocoa bean, rice, cassava, tapioca, coconut, ground nuts, dried vegetables, bone meal and dried animal products, animal feed, flour, noodles, pulses, spices, tea, coffee, sorghum, millet and oilseeds	2 g / m <sup>3</sup> (2 tablets / m <sup>3</sup> )	4 g / m <sup>3</sup> (4 tablets / m <sup>3</sup> )
Dried fruit, nuts, confectionery and biscuits	1.3 g / m <sup>3</sup> (13 tablets / 10 m <sup>3</sup> )	2.6 g / m <sup>3</sup> (26 tablets / 10 m <sup>3</sup> )
Packaged tobacco	1 g / m <sup>3</sup> (1 tablet / m <sup>3</sup> )	2 g / m <sup>3</sup> (2 tablets / m <sup>3</sup> )
Space fumigation	3 g / m <sup>3</sup> (3 tablets / m <sup>3</sup> )	6 g / m <sup>3</sup> (6 tablets / m <sup>3</sup> )

**Airing:** Following fumigation there should be an airing-off period of at least four hours or until gas levels drop below the Occupational Exposure Standard.

**Exposure times:** Minimum of 14 days at 12-15° C, 10 days at 16-20° C, 7 days at more than 20° C.

**Electrical wiring:** Detia-Gas-Ex T is corrosive to copper-based materials. Sensitive equipment containing copper components must be protected or removed during treatment.

**Other advice:** Fumigations must not be carried out when temperatures are below 10° C. No fumigation to be carried out in conditions of low humidity.

Generally it should be made a rule to leave the commodity under gas as long as possible. Allow grain to air for three hours. Tobacco in cases or bales will require 2 days ventilation. Ventilate hogshead for not less than 3 days. Foods and animal feeds should be aired for at least 2 days before use.

**THIS PRODUCT IS APPROVED UNDER THE U.K. CONTROL OF PESTICIDES REGULATIONS 1966 FOR USE AS DIRECTED.**

Quite inevitably, the kind of use made and the method of treatment adopted in each case are beyond our control. We are thus not able to take any responsibility for possible failures or for any damage caused to men, animals or materials.

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