

IMPORTANT INFORMATION		
FOR USE ONLY AS AN INSECTICIDE IN FOOD STORAGE PRACTICE		
Crops/situations	Maximum individual dose: (pellets / m ²)	Maximum number of treatments: (per batch)
Grain, processed consumable products, pulses, stored oilseeds, nuts, tea, coffee, cocoa, carob and herbal infusions, stored dried spices	50	3
Crop handling and storage structure	50	3
Tobacco	50	3

Other specific restrictions This product must be used only by operators trained in the use of aluminium 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 protection equipment" when applying the product and re-entering treated areas before the phosphine gas air concentration is below 0.03 ppm. "Half-mask with at least EN 140 with a combination filter to at least EN14387 B2P3 or equivalent. However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. Once opened the contents of the container must be used immediately. CONTACT WITH WATER LIBERATES VERY TOXIC HIGHLY FLAMMABLE GAS WHICH IS IRRITATING TO THE EYES AND RESPIRATORY SYSTEM. OPEN CONTAINER IN A WELL-VENTILATED SPACE. WHEN USING DO NOT EAT DRINK OR SMOKE. AVOID ALL CONTACT BY MOUTH AND EYES. SP1 After contact with skin first remove product with a dry cloth and then wash skin with plenty of water. EXTINGUISH ALL NAKED FLAMES INCLUDING PILOT LIGHTS WHEN APPLYING THE PRODUCT. DO NOT BREATHE GAS. WASH HANDS AND EXPOSED SKIN before eating, drinking or smoking and after work

Environmental protection: Do not contaminate water with the product or its container. PREVENT ACCESS by livestock, pets and other non-target mammals and birds to buildings under fumigation and ventilation. Bats are protected species, consult Natural England, Nature Scot or Natural Resources for Wales as appropriate if bats are present in buildings.

Consumer protection: DO NOT ALLOW PELLETS OR THEIR SPENT RESIDUES TO COME INTO CONTACT WITH FOOD OR FEED. KEEP ALL PERSONS AND NON TARGET 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 below the WEL of 0.03 ppm.

Storage and disposal: Keep away from any possible contact with water, because of violent reaction and possible flash fire. Protect from moisture. DO NOT BULK SPENT RESIDUES. Spontaneous ignition could result. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. KEEP OUT OF THE REACH OF CHILDREN. Empty container completely using the method described under the heading "Waste treatment methods" and dispose of safely in accordance with the instructions given under the heading "Product/packaging disposal". KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place. DO NOT REUSE CONTAINER FOR ANY PURPOSE.

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. Further advice from nearest National Poisons Information Centre. 0844 892 0111.

Important: The Poisons Act 1972 applies to this product.

DIRECTIONS FOR USE:

IMPORTANT: 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. PHOSTOXIN PELLET can be used for the control of pests in grain such as rice, wheat, barley, maize, oats, sorghum, millet, rye etc. leaf tobacco, cereal products, dried fruit, dried vegetables and oilseeds. These commodities may be fumigated under gas-proof sheets or in other sealed enclosures. PHOSTOXIN PELLET may also be used for fumigation of cereals on ships in transit and for empty space fumigation. PHOSTOXIN PELLET has been found effective against the following stored product insects and their pre-adult stages. These include Grain, Rice, Bean, Pea and Maize beetles, Saw-toothed grain beetle, Confused flour beetle, Lesser grain borer, Rusty grain beetle, Khapra beetle, Angoumois grain moth, Indian meal moth, Mediterranean flour moth, Cigarette beetle, Tobacco Moth, Red flour beetle, Gibbous cabinet beetle, Mealworm beetle, Flour mite, Drugstore beetle and Mould mite. 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.

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 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.

Waste Treatment Methods: All pesticides must be disposed of as hazardous waste. Never wash out empty flasks with water. Empty the flask completely at site of use by unpeeling and tapping the container so that any remaining powder/residue is deposited. Check that the flask is visibly empty. If residue remains, repeat unpeeling and tapping until fully removed. Ensure that the empty flask is kept dry.

Phostoxin®

PHOSTOXIN PELLET

A gas-generating preparation containing Aluminium Phosphide 56% w/w for the control of insects which infest stored products and tobacco
MAPP 20950

UFI: DHM7-0J6F-E10N-AT6Q
Contains aluminium phosphide and ammonium carbonate

Product/packaging disposal: Disposal of waste flask: Handle and store empty flask as if they still contained product. Flasks must never be rinsed or cleaned. Place the cap back onto the empty flask loosely (this action should only be carried out prior to transporting to designated storage area, flask should NOT be re-capped if they still contain pellets, ensure that all product is used during the pest control treatment), this will help to ensure that any gas generated within the flask during transport from the treatment area is contained. Place the flask into a suitable bag. Label the bag and place the written confirmation that the waste treatment methods have been completed, date and sign. Seal the bag using the wraps. Once at designated storage area and prior to waste collection, whilst wearing a full-face respirator with appropriate gas filter cartridge (which meets P3 standard for particulates) or SCBA (contact your PPE supplier for advice on suitable PPE and RPE) and whilst wearing suitable gloves and skin protection such as rubber/PVC gloves and coveralls, remove the flask from the sealed bag. Remove caps, taking care and pointing flask away from face and other people, as any generated gas may be present. Invert the flask on a mesh shelf in a secured cage area until all gas has vented from the flask. We recommend venting the flasks for 48 hours. Once venting is complete, re-cap flask and replace into and seal the plastic bag. Record on the written confirmation that the flask has been vented. Store in a designated secure storage area until collection by a licensed waste-disposal contractor. The written confirmation should include the name of the waste disposal contractor and the date they were contacted to collect the flask.

USAGE AND APPLICATION: When fumigating silo bins it is recommended to use the Automatic Pellet Dispenser.
Do not bulk food/feed where the table/pellet will be in direct contact with the commodity.

Commodities	Minimum individual dose	Maximum individual dose
Cereals, cereal products, dried fruit, pulses	5g PH ₃ /m ² (25 pellets /m ²)	10g PH ₃ /m ² (50 pellets /m ²)
Dried vegetables, oil seeds	3g PH ₃ /m ² (15 pellets /m ²)	5g PH ₃ /m ² (25 pellets /m ²)
Cereals on ships in transit	5g PH ₃ /m ² (25 pellets /m ²)	10g PH ₃ /m ² (50 pellets /m ²)
Packaged tobacco		
Space fumigation		

Minimum dosages are applied if storage goods are loosely packed and fumigation can be performed under optimal conditions of 20 °C - 30 °C and 50%-75% relative humidity. Maximum dosages should only be applied if storage goods are densely packed and fumigation can only be performed under worst case conditions of e.g. temperatures close to 10°C, or low relative humidity values or, if the insect population to be controlled is known to react with reduced sensitivity to phosphine fumigations.

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.

Exposure times: For space fumigation, cereals, cereal products, dried fruit, dried vegetables, oil seeds: Minimum of 5 days at optimal conditions of 20 °C - 30 °C and 50%-75% relative humidity. Maximum exposures of up to 14 days should only be applied together with maximum dosages under worst case conditions, e.g. if temperatures are close to 10°C, or if low relative humidity values are present, or if the insect population to be controlled is known to react with reduced sensitivity to phosphine fumigations. For fumigation of cereals on ships in transit: 21 days.

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

Cereals, oilseeds, pulses, tea, coffee, herbal infusions, cocoa, spices, dried vegetables, fruits and mushrooms	7 days
Processed cereal products	14 days
Tree nuts	21 days
Pistachios	35 days

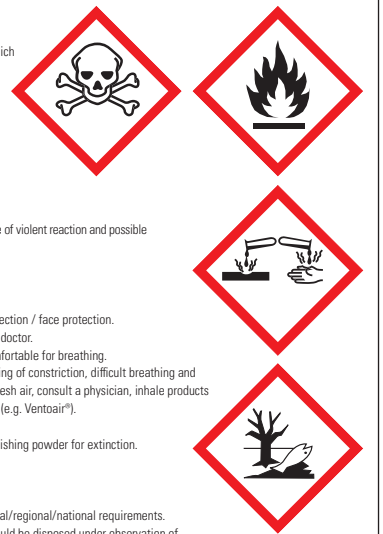
Taint: May cause taint of oily material. Operators should warn their clients of the possibility of taint caused by this product.

Electrical wiring: PHOSTOXIN PELLET is corrosive to copper-based materials. Sensitive equipment containing copper components must be protected or removed during treatment.

Other hazard: Fumigation must not be carried out when temperatures are below 10 °C. No fumigations to be carried out in conditions of low humidity.
This product is approved under Regulation (EC) No 1107/2009

DANGER

IN CONTACT with water releases flammable gases which may ignite spontaneously.
FATAL if swallowed.
FATAL if inhaled.
TOXIC in contact with skin.
CAUSES skin irritation.
CAUSES serious eye damage.
VERY TOXIC to aquatic life.
CONTACT with water liberates toxic gas.
CONTACT with acids liberates very toxic gas.
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 CENTRE / doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Specific treatment in case of headache, dizziness, feeling of constriction, difficult breathing and nausea immediately leave the danger zone and seek fresh air, consult a physician, inhale products for acute treatment following exposition of smoke gas (e.g. Ventouair®).
Brush off loose particles from skin.
In case of fire: Use carbon dioxide (CO₂), sand, extinguishing powder for extinction.
Store in a dry place.
Store in a closed container.
Store locked up.
Dispose of contents / container in accordance with local/regional/national requirements.
Dispose of contents / container degassed material should be disposed under observation of prevailing regulation (waste code: 060316); for substance / preparation / residue: waste code 0631301.
To avoid risks to man and the environment, comply with instructions for use.
ACTIVE INGREDIENT: Aluminium Phosphide 56% w/w
The (COSHH) Control of Substance Hazardous to Health Regulations may apply to the use of this product at work.
CONTENTS: Approximately 1666 Pellets x 0.6g pellets



Net Weight: 1 kg



UN 1397
Aluminium Phosphide

Marketed by: Rentokil Initial UK Ltd, Compass House, Manor Royal, Crawley, West Sussex, RH10 9PY
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MADE IN GERMANY