



Aluminum Phosphide

GASTOXIN® GASTION® FUMIGAS® PHOSFINON® PHOSTEK® TEKPHOS® Acopio®

INTRODUCTION

Aluminum phosphide fumigants, once correctly applied, are used to protect stored commodities from damage by insects without contamination.

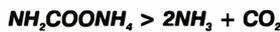
CONTENT	PRESENTATION	PACKAGING
57% Active Substance (Aluminum Phosphide)	3,0 grams tables	Bottles and Envelopes
43% Inactive Substance	0,6 grams pellets	Bottles
	34 grams sachets	Cans

APPLICATION

Upon exposure to air, aluminum phosphide tablets, pellets and sachets begin to react with atmospheric moisture to produce small quantities of hydrogen phosphide gas. The shown reaction starts slowly, gradually accelerates and then tapers off again as the aluminum phosphide is spent.



Bequisa's fumigants also contains ammonium carbamate which liberates ammonia and carbon dioxide as follows:



These gases are essentially non-flammable and act as inerting agents to reduce fire hazards. The ammonia gas also serves as a warning agent.

END USE

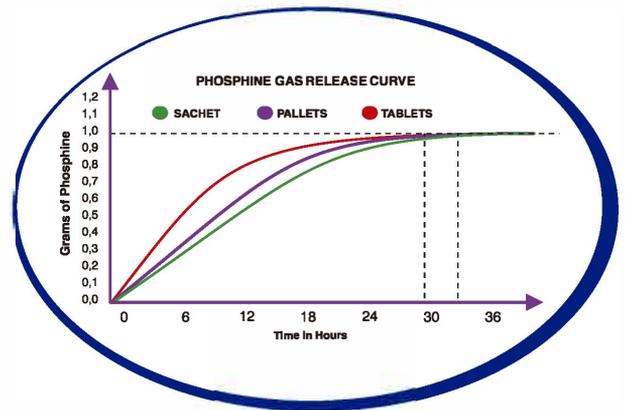
Aluminum Phosphide is well-known worldwide, accepted and used for the fumigation. Hydrogen phosphide gas is highly toxic to insects, humans and other forms of animal life. It has been found effective against the following insects and their pre-adult stages - that is eggs, larvae and pupae.

- almond moth
- fruit flies
- rusty grain beetle
- cereal leaf beetle
- hessian fly
- yellow meal worm
- dermestid beetles
- pink bollworm

- flat grain beetle
- rice weevil
- cadelle
- hairy fungus beetle
- tobacco moth
- confused flour beetle
- maize weevil
- dried fruit beetle

- red flour beetle
- bean weevil
- granary weevil
- spider beetles
- cockroaches
- khapra beetle
- lesser grain borer
- mediterranean flour moth

- angoumois grain moth
- grain moth
- saw-toothed grain beetle
- cigarette beetle
- indian meal moth
- flour beetle
- dried fruit moth
- european grain moth



Products fumigated with Aluminum Phosphide do not suffer any change in taste, flavor, appearance, characteristics for bakery or culinary use and become free from any contamination by residues, keeping its natural characteristics intact.

Aluminum Phosphide may be used to fumigate food, processed or not, non-food like animal feed, barley, cocoa beans, coffee beans, com, cotton seeds, dates, dried peas, lentils, millet, nuts in shells, oats, peanuts, popcorn, rice, rye, sorghum, soybeans, sunflower, seeds, wheat, bagged, packaged or treated cereal, grass, sorghum, small legume seeds destined for planting use only, non-food commodities, including tobacco dried plants and flowers, feathers, human hair, leather products, furs, paper, cotton, wool and other natural fibres, wood among many others.

SHELF LIFE

Aluminum Phosphide in pellets, tablets and sachets are supplied in gas-tight containers and their shelf life is practically unlimited, as long as the packaging remains intact and manufacturer storage instructions are followed. Once opened for fumigation, the aluminum flasks of pellets or tablets may be tightly resealed and stored for future use. In the case of sachets, after the tins are opened, all product must be used for fumigation, and these do not resealed.

BEQUISA

Founded in 1949, Bequisa exports Aluminum Phosphide to worldwide and its high-quality standards are recognized by the world's most respected entities, as well as by consumers in all five continents. Products are manufactured utilizing high-quality raw materials and packaging following F.A.O. (Food Agriculture Organization of the United Nations). Being an ISO 9001 certified company, quality controls are performed with continual technical inspections and strict laboratory test.

Medium to Large Size Fumigation Storage Areas

Product Code:
S-6

Product Presentation

Packaging
Tin can net weight

Secondary Packaging
Box net weight

Pallet

End use
Fumigation area

Medium size fumigation areas and containers
Sachets Chain

34 grams Sachet
6 sachets in chain

1 chain of 6 sachets in a tin can
204 grams

40 cans in a craft carton box
8,160 kg

24 boxes in total of 6 layers (960 chains)

Medium size fumigation areas and containers
36 m³ approximately with one chain with 6 sachets



Sachet Chain
(6 sachets)



Sachet Chain
(10 sachets)

Product Code
S-10

Product Presentation

Packaging
Tin can net weight

Secondary Packaging
Box net weight

Pallet

End use
Fumigation area

Medium size fumigation areas and containers
Sachets Chain

34 grams Sachet
10 sachets in chain

1 chain of 10 sachets in a tin can
340 grams

40 cans in a craft carton box
13,600 kg

24 boxes in total of 6 layers (960 chains)

Medium size fumigation areas and containers
60 m³ approximately with one chain with 10 sachets

Product Code
S-2x50

Product Presentation

Packaging
Tin can net weight

Secondary Packaging
Box net weight

Pallet

End use
Fumigation area

Medium to large size fumigation areas and containers - Sachets Chain

34 grams Sachet
50 sachets in chain

2 chains of 50 sachets each in a tin can
3,400 kg

4 cans in a craft carton box
13,600 kg

36 boxes in total of 6 layers (144 cans)

Medium and large size fumigation areas and containers
300 m³ approximately a tin can with 50 sachets



Sachet Chain
(2x50 sachets)

Product Code RT-1,0 kg	Medium to large size fumigation areas Round Tablets
Product Presentation	3 grams Round Tablets 1,0 kg bottle containing 333 round tablets
Packaging Box net weight	21 bottles in a craft carton box 21,000 kg
Pallet	36 boxes in total of 6 layers (756 bottles)
End use Fumigation area	Medium to large size fumigation areas 165 m ³ approximately with one bottle



**Bottle 1,0 kg
(3g tablets)**

Product Code RT-1,5 kg	Medium to large size fumigation areas Round Tablets
Product Presentation	3 grams Round Tablets 1,5 kg bottle containing 500 round tablets
Packaging Box net weight	14 bottles in a craft carton box 21,000 kg
Pallet	42 boxes in total of 6 layers (588 bottles)
End use Fumigation area	Medium to large size fumigation areas 250 m ³ approximately with one bottle



**Bottle 1,5 kg
(3g tablets)**

Product Code P-1,0 kg	Medium to large size fumigation areas Pellets
Product Presentation	0,6 grams Pellets 1,0 kg bottle containing 1.666 pellets
Packaging Box net weight	21 bottles in a craft carton box 21,000 kg
Pallet	36 boxes in total of 6 layers (756 bottles)
End use Fumigation area	Medium to large size fumigation areas 165 m ³ approximately with one bottle



**Bottle 1,0 kg
(0,6g pellets)**

Small Size Fumigation Storage Areas



**Envelopes
9 grams (3g tablets)**

Product Code	Small size fumigation areas
ENV-150	Round Tablets
Product Presentation	3 grams Round Tablets 9 grams envelope containing 3g round tablets
Packaging	150 envelopes in a fiber can
Fiber can net weight	1,350 kg
Secondary Packaging	8 fiber cans in a craft carton box (1,200 envelopes)
Box net weight	10,800 kg
Pallet	30 boxes in total of 6 layers (240 fiber cans)
End use	Small size fumigation areas
Fumigation area	1,5 m ³ approximately with one envelope

Product Code	Small size fumigation areas
RT-90g	Round Tablets
Product Presentation	3 grams Round Tablets 90 grams bottle containing 30 round tablets
Packaging	16 bottles in a craft small carton box
Secondary Packaging	8 small carton boxes in a craft carton box (128 bottles)
Box net weight	11,520 kg
Pallet	36 boxes in total of 6 layers (4.608 bottles)
End use	Small size fumigation areas
Fumigation area	15 m ³ approximately with one bottle



**Bottle
90grams (3g tablets)**