

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.

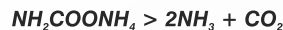
CONTENT	PRESENTATION	PACKAGING
57% Active Substance (Aluminum Phosphide)	3,0 grams tables	Bottles and Envelopes
43% Inactive Substance	0,6 grams pellets	Bottles
	34 grams sachets	Cans

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

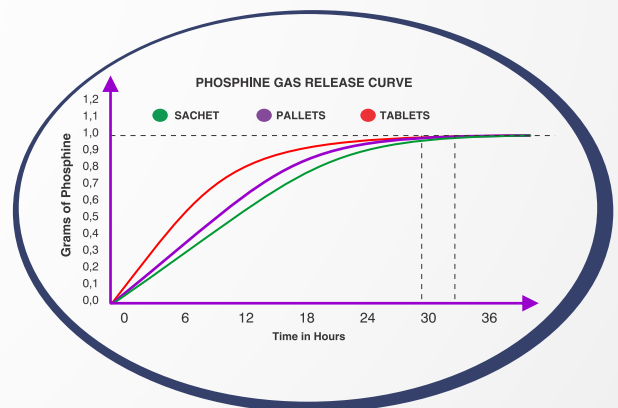
Aluminum Phosphide is well-known worldwide, accepted and used for the fumigation. Hydrogen phosphide gas is highly toxic to insects, humans and other forms of animal life. It has been found effective against the following insects and their pre-adult stages - that is eggs, larvae and pupae.

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, corn, 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.

BEQUIISA

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	Medium size fumigation areas and containers Sachets Chain
Product Presentation	34 grams Sachet 6 sachets in chain
Packaging Tin can net weight	1 chain of 6 sachets in a tin can 204 grams
Secondary Packaging Box net weight	40 cans in a craft carton box 8,160 kg
Pallet	24 boxes in total of 6 layers (960 chains)
End use Fumigation area	Medium size fumigation areas and containers 36 m ³ approximately with one chain with 6 sachets



Sachet Chain
(6 sachets)

Product Code S-10	Medium size fumigation areas and containers Sachets Chain
Product Presentation	34 grams Sachet 10 sachets in chain
Packaging Tin can net weight	1 chain of 10 sachets in a tin can 340 grams
Secondary Packaging Box net weight	40 cans in a craft carton box 13,600 kg
Pallet	24 boxes in total of 6 layers (960 chains)
End use Fumigation area	Medium size fumigation areas and containers 60 m ³ approximately with one chain with 10 sachets



Sachet Chain
(10 sachets)

Product Code S-2x50	Medium to large size fumigation areas and containers - Sachets Chain
Product Presentation	34 grams Sachet 50 sachets in chain
Packaging Tin can net weight	2 chains of 50 sachets each in a tin can 3,400 kg
Secondary Packaging Box net weight	4 cans in a craft carton box 13,600 kg
Pallet	36 boxes in total of 6 layers (144 cans)
End use Fumigation area	Medium and large size fumigation areas and containers 300 m ³ approximately a tin can with 50 sachets



Sachet Chain
(2x50 sachets)

Aluminum Phosphide

Product Code
RT-1,0 kg

Product Presentation

Packaging
Box net weight

Pallet

End use
Fumigation area

Medium to large size fumigation areas
Round Tablets

3 grams Round Tablets
1,0 kg bottle containing 333 round tablets

21 bottles in a craft carton box
21,000 kg

36 boxes in total of 6 layers (756 bottles)

Medium to large size fumigation areas
165 m³ approximately with one bottle

Bottle 1,0 kg
(3g tablets)



Product Code
RT-1,5 kg

Product Presentation

Packaging
Box net weight

Pallet

End use
Fumigation area

Medium to large size fumigation areas
Round Tablets

3 grams Round Tablets
1,5 kg bottle containing 500 round tablets

14 bottles in a craft carton box
21,000 kg

42 boxes in total of 6 layers (588 bottles)

Medium to large size fumigation areas
250 m³ approximately with one bottle

Bottle 1,5 kg
(3g tablets)

Product Code
P-1,0 kg

Product Presentation

Packaging
Box net weight

Pallet

End use
Fumigation area

Medium to large size fumigation areas
Pellets

0,6 grams Pellets
1,0 kg bottle containing 1.666 pellets

21 bottles in a craft carton box
21,000 kg

36 boxes in total of 6 layers (756 bottles)

Medium to large size fumigation areas
165 m³ 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 Fiber can net weight	150 envelopes in a fiber can 1,350 kg
Secondary Packaging Box net weight	8 fiber cans in a craft carton box (1,200 envelopes) 10,800 kg
Pallet	30 boxes in total of 6 layers (240 fiber cans)
End use Fumigation area	Small size fumigation areas 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 Box net weight	8 small carton boxes in a craft carton box (128 bottles) 11,520 kg
Pallet	36 boxes in total of 6 layers (4.608 bottles)
End use Fumigation area	Small size fumigation areas 15 m ³ approximately with one bottle



Bottle
90 grams (3g tablets)

POST-HARVEST EXPORTATION

