

Safety Data Sheet Canadian WHMIS Standards & GHS Rev04

Issue date 07/28/2020

Reviewed on 01/01/2023

1 Product and Company Identification

- · Product Identifier
- Trade Name: Fumitoxin® Tablets Reg. No.19227; Fumitoxin® Pellets Reg. No. 19226 Pest Control Product Act.
- · Product Description: Fumigant for Insect & Rodent Control
- · Application of the substance / the mixture:

Fumigants used to treat raw agricultural commodities, processed foods, non-food commodities and rodent burrows.

· Details of the Supplier of the Safety Data Sheet:

 Manufacturer/Supplier: Sunzon International, Inc.
 1810 Firestone Parkway
 Wilson, NC 27893 USA
 Telephone: (252) 237-7923
 Telefax: (252) 237-3259
 www.degeschamerica.com
 degesch@degeschamerica.com

Emergency telephone number:

For human or animal emergencies: 1-800-308-4856 (Rocky Mountain Poison and Drug Center) For all other chemical emergencies: 1-800-424-9300 (Chemtrec) Emergency and Information - DEGESCH America, Inc.: (540) 234-9281 / 800-330-2525

2 Hazard(s) Identification

· Classification of the substance or mixture:



Pyrophoric Solids - Category 1H250Catches fire spontaneously if exposed to air.Substances and Mixtures Which, in Contact with Water, H260In contact with water releases flammableEmit Flammable Gases - Category 1gases which may ignite spontaneously.



Acute Toxicity (Oral) - Category 2 Acute Toxicity (Inhalation) - Category 1 H300 Fatal if swallowed.H330 Fatal if inhaled.

GHS05 Corrosion

Serious Eye Damage - Category 1

H318 Causes serious eye damage.



Aquatic Acute 1

H400 Very toxic to aquatic life.



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Skin Irritation - Category 2

H315 Causes skin irritation.

- Label elements:
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:



GHS02 GHS05 GHS06 GHS09

- · Signal word: Danger
- · Hazard-determining components of labeling:
- Aluminum Phosphide
- Ammonium Carbamate

· Hazard statements:

- H250 Catches fire spontaneously if exposed to air.
- H260 In contact with water releases flammable gases which may ignite spontaneously.
- H300+H330 Fatal if swallowed or if inhaled.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H400 Very toxic to aquatic life.

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P222 Do not allow contact with air.
- P223 Do not allow contact with water.
- P231+P232 Handle and store contents under inert gas. Protect from moisture.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P284 [In case of inadequate ventilation] wear respiratory protection.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P321 Specific treatment (see on this label).
- P330 Rinse mouth.

P302+P335+P334 IF ON SKIN: Brush off loose particles from skin. Immerse in cool water.

- P302+P335+P334 IF ON SKIN: Brush off loose particles from skin. Immerse in cool water or wrap in wet bandages.
- P302+P352 If on skin: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- P320 Specific treatment is urgent (see on this label).
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P370+P378 In case of fire: Use for extinction: CO2, sand, extinguishing powder.
- P391 Collect spillage.
- P402+P404 Store in a dry place. Store in a closed container.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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P405Store locked up.P501Dispose of contents/container in accordance with local/regional/national/international

regulations.

This value refers to knowledge of known, established toxicological or ecotoxicological values.

10.3 % of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

• NFPA ratings (scale 0 - 4)



The substance demonstrates unusual reactivity with water.

· HMIS-ratings (scale 0 - 4)

HEALTH *4	Health = *4
_	Fire = 4
REACTIVITY 2	Physical Hazard = 2

· Hazard(s) not otherwise classified (HNOC): None known

3 Composition/Information on ingredients:

· Chemical characterization: Mixtures

· Description: Mixture of substances listed below with non-hazardous additions.

	Demerana	Common montos
•	Dangerous	Components:

· Dangerous compone		
CAS: 20859-73-8 RTECS: BD 1400000	Aluminum Phosphide	56% w/w
	Substances and Mixtures Which, in Contact with Water, Emit Flammable Gases - Category 1, H260; <a>Acute Toxicity (Oral) - Category 2, H300; Acute Toxicity (Dermal) – Category 3, H311; Acute Toxicity (Inhalation) - Category 1, H330; <a>Aquatic Acute 1, H400	
CAS: 1111-78-1	Ammonium Carbamate	Proprietary% w/w
	Serious Eye Damage - Category 1, H318; Acute Toxicity (Oral) - Category 4, H302; Skin Irritation - Category 2, H315; Aquatic Acute 3, H402	
	TRADE SECRET	5-10% w/w *
	Specific Target Organ Toxicity - Single Exposure - Category 3, H335	
	Proprietary	2-12% w/w *
	 Skin Irritation - Category 2, H315; Specific Target Organ Toxicity Single Exposure - Category 3, H335; Eye Irritation - Category 2B, H320 	

* Actual concentration ranges are withheld as a trade secret.

Additional information:

Fumitoxin Tablets and Fumitoxin Pellets react with water to produce phosphine (hydrogen phosphide, PH3, CAS No. 7803-51-2) as shown in Equation 1. Fumitoxin products are formulated with 56% aluminum phosphide also contains ammonium carbamate and inert ingredients. Ammonium carbamate decomposes to liberate ammonia (CAS No. 7664-41-7) and carbon dioxide (CAS No. 124-38-9) as shown in Equation 2.

1) AIP + 3H2O ---> AI(OH)3 + PH3

2) NH2COONH4 ---> 2NH3 + CO2

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4 First-Aid Measures

· Description of first aid measures

· General information:

Immediately remove any clothing soiled by the product.

Symptoms of overexposure are headache, dizziness, nausea, difficult breathing, vomiting, and diarrhea. In ALL cases of overexposure, get medical attention immediately. Take victim to a doctor or emergency treatment facility.

Have product container label or applicator's manual with you when calling a poison control center, doctor, or when going for treatment.

After inhalation:

Get exposed person to fresh aid. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Contact a poison control center or doctor for treatment advice.

• After skin contact:

Take off contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

After eye contact:

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

After swallowing:

Do not induce vomiting; immediately call for medical help.

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless told to by a poison control center or doctor.

Information for doctor

• Most important symptoms and effects, both acute and delayed:

Aluminum phosphide fumigant products react with moisture from the air, acids and many other liquids to release phosphine gas (hydrogen phosphide, PH3). Mild exposure by inhalation causes malaise (indefinite feeling of sickness), headache, ringing in the ears, fatigue, nausea and pressure in the chest which is relieved by removal to fresh air. Moderate poisoning causes weakness, vomiting, pain just above the stomach, chest pain, diarrhea and dyspnea (difficulty breathing). Symptoms of severe poisoning may occur within a few hours to several days resulting in pulmonary edema and may lead to dizziness, cyanosis, unconsciousness, and death.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5 Fire-Fighting Measures

· Extinguishing media

· Suitable extinguishing agents:

CO2, sand, extinguishing powder. Do not use water.

Use fire fighting measures that suit the environment.

• For safety reasons unsuitable extinguishing agents: Water

• Special hazards arising from the substance or mixture:

Phosphine (hydrogen phosphide, PH3)-air mixtures at concentrations above the LEL of 1.8% v/v (18,000 ppm) may ignite spontaneously. Ignition of high concentrations of phosphine gas (hydrogen phosphide, PH3) can product a very energetic reaction. Explosions can occur under these conditions and may cause severe personal injury. Never allow the buildup of phosphine gas (hydrogen phosphide, PH3) to exceed explosive concentrations. Open containers of metal phosphides in open air only and never in a flammable atmosphere. Do not confine spent or partially spent dust from metal phosphide fumigants as the slow release of phosphine gas (hydrogen phosphide, PH3) from these materials may result in the formation of an explosive atmosphere. Spontaneous ignition may occur if large quantities of magnesium phosphide are piled in contact with liquid water. This is particularly true if quantities of these materials are placed in an environment which can provide

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partial confinement of the hydrogen phosphide gas liberated by hydrolysis.

If incinerated, product will release the following toxic materials: Oxides of magnesium, phosphorous, nitrogen (NOx), carbon, aluminum and silicon, phosphine gas (hydrogen phosphide, PH3) and phosphoric acid.

· Advice for firefighters

Aluminum phosphide is not flammable by itself. However, it reacts readily with water to produce phosphine gas (hydrogen phosphide, PH3) which may ignite spontaneously in air at concentrations above its LEL of 1.8% v/v (18,000 ppm). The UEL of phosphine gas (hydrogen phosphide, PH3) is unknown.

• Special protective equipment for firefighters:

Wear a NOISH approved full-face gas mask – phosphine gas canister combination may be used at levels up to 15 ppm or following manufacturers' use conditions instructions for escape . Above 15 ppm or in situations where the phosphine gas concentration is unknown, a NIOSH approved SCBA must be worn.

6 Accidental Release Measures:

· Personal precautions, protective equipment and emergency procedures:

Respiratory protection will most likely be required during cleanup of spilled aluminum phosphide fumigants. If the concentration of phosphine (hydrogen phosphide, PH3) is unknown, NIOSH approved SCBA or its equivalent must be worn. Full-face gas mask canister combinations may only be worn at concentrations no higher than 15 ppm.

Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.

Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Dispose of the collected material according to regulations.

If possible, dispose of spilled material by use according to label instructions. Freshly spilled material which has not been contaminated by water or foreign matter may be placed into original or other gas-tight containers. Punctured flasks, pouches or containers may be temporarily repaired using aluminum tape. If the age of the spill is unknown or if the product has been contaminated with soil, debris, water, etc., gather up the spillage in small open buckets having a capacity no larger than about 1 gallon. Do not add more than about 1 to 1.5 kg (2 to 3 lbs.) to a bucket. If on-site wet-deactivation is not feasible, transport the uncovered buckets in open vehicles to a suitable area. Small amounts of spillage, from about 4 to 8 kg (9 to 18 lbs.) may be spread out over the ground in an open area to be deactivated by atmospheric moisture. Alternatively, spilled aluminum phosphide fumigants may be deactivated by the wet method as described in the following:

Wet Deactivation of Spilled Fumitoxin Products:

1. Deactivating solution is prepared by adding the appropriate amount of low sudsing detergent to water in a drum or other suitable container. A 2% solution or 4 cups of detergent in 30 gallons is suggested. The container should be filled with deactivating solution to within a few inches of the top.

2. The material is added slowly to the deactivating solution and stirred so as to thoroughly wet all of the product. This should be carried out in open air and respiratory protection may be required. At no time should the deactivation drum be covered.

3. No more than about 45 to 50 lbs. of Fumitoxin should be added to 15 gallons of water-detergent mixture. Products may ignite during wet deactivation if they are allowed to float to the surface. Add weights or otherwise ensure that products stay submerged until deactivation is completed.

4. Allow the mixture to stand, with occasional stirring, for about 36 hours. The resultant slurry of dust or packaged product will then be safe for disposal.

5. Dispose of the slurry of deactivated material, with or without preliminary decanting, at a sanitary landfill or other suitable site approved by local authorities. Where permissible, this slurry may be poured into a storm sewer or out onto the ground.

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· Reference to other sections:

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7 Handling and Storage

· Handling

Precautions for safe handling:

Store in cool, dry place in tightly closed receptacles. Avoid creating and breathing dust/fume/gas/mist/vapors/spray. Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Only handle and refill product in closed systems.

- Information about protection against explosions and fires: Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
 Keep protective respiratory device available.
- Conditions for safe storage, including any incompatibilities Store away from water, acids, bases, strong oxidizing agents and strong reducing agents.

· Storage

- **Requirements to be met by storerooms and receptacles:** Store products in a locked, dry, well-ventilated area away from heat. Post as a pesticide storage area. Do not store in buildings inhabited by humans or domestic animals.
- Information about storage in one common storage facility: Do not store together with acids.
- Further information about storage conditions: Keep container tightly sealed.
- Store in cool, dry conditions in well sealed receptacles.
- Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

- Additional information about design of technical systems: No further data; see section 7.
- · Control parameters:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits. Components with occupational exposure limits:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- Additional information: The lists that were valid during the creation of this SDS were used as basis.
- · Exposure controls:
- · Personal protective equipment
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment:

Respiratory protection will most likely be required while using aluminum phosphide fumigants. If the concentration of phosphine (hydrogen phosphide, PH3) is unknown, NIOSH/MSHA approved SCBA or its equivalent must be worn. Full-face gas mask canister combinations may only be worn at concentrations no higher than 15 ppm.

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· Protection of hands:

Wear dry gloves of cotton or other material if contact with tablets, pellets, or dust is likely. Gloves should remain dry after use. Aerate gloves and other clothing that may be contaminated in a well-ventilated area prior to laundering.



Protective gloves

· Material of gloves: Dry gloves of cotton or other material.

· Penetration time of glove material:

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

• Eye protection:



Tightly sealed goggles

• *Limitation and supervision of exposure into the environment:* Keep away from drains, surface and ground waters. Avoid release into the environment.

9 Physical and chemical properties

 Information on basic physical and che General Information Appearance: 	emical properties
Form:	Solid
Color:	Greenish-gray
· Odour:	Garlic, carbide or decaying fish
· pH-value:	Not applicable.
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	AIP = >1000 ℃ (AIP = >1832 ℉) (PH3 = -133.5 ℃) AIP = >1000 ℃ (AIP = >1832 ℉) (PH3 = -87.7 ℃)
· Flash point:	Not determined.
 Flammability (solid, gaseous): 	Contact with water or acids liberates extremely flammable gases. Contact with water liberates extremely flammable gases.
· Ignition temperature:	Not applicable
Decomposition temperature:	Decomposes at ambient conditions when moisture is present.
· Auto igniting:	Spontaneously flammable in air.
• Danger of explosion:	Not determined.
 Explosion limits: Lower: Upper: 	1.8% Vol % (for PH3) Not established Vol % (for PH3)
· Vapor pressure:	AIP = 0 mm Hg PH3 = 40 mm Hg @ -129.4 °C AC = 100 mm Hg @ 26.7 °C
· Density:	AIP = 2.85 g/cm ³ (AIP = 23.783 lbs/gal) (PH3 = 1.37 g/l gas) (Contd. on page 8)

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 Relative density: Vapor density: Evaporation rate: 	Not determined. Not applicable. Not applicable.
 Solubility in / Miscibility with: Water: 	AIP = Insoluble, reacts PH3 = 26 cc in 100 ml at 17 °C AC = Very soluble, reacts
· Partition coefficient (n-octanol/water	<i>):</i> Not determined.
 Viscosity: Dynamic: Kinematic: 	Not applicable. Not applicable.
Solvent content:	
Solids content: • Other information:	100.0 % No further relevant information available.

10 Stability and reactivity

· Reactivity: No further relevant information available.

Chemical stability:

Products are stable to most chemical reactions, except for hydrolysis. Products will react with moist air, liquid water, acids and some other liquids to produce toxic and flammable phosphine (hydrogen phosphide, PH3) gas.

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions:

Contact with water releases flammable gases.

- Contact with water releases toxic gases.
- · Conditions to avoid: Avoid prolonged exposure to air.
- · Incompatible materials: Water, acids, bases, strong oxidizing agents and strong reducing agents.
- · Hazardous decomposition products:

Oxides of aluminum, phosphorous, nitrogen (NOx), carbon, phosphine gas (hydrogen phosphide, PH3), ammonia and phosphoric acid.

Additional information:

Phosphine (hydrogen phosphide, PH3) gas may react with certain metals and cause corrosion, especially at higher temperatures and relative humidity. Metals such as copper, brass and other copper alloys, and precious metals such as gold and silver are susceptible to corrosion by phosphine. Small electric motors, smoke detectors, brass sprinkler heads, batteries and battery chargers, fork lifts, temperature monitoring systems, switching gears, communication devices, computers, calculators and other electrical equipment may be damaged by this gas. Phosphine (hydrogen phosphide, PH3) will also react with certain metallic salts and, therefore, sensitive items such as photographic film, some inorganic pigments, etc., should not be exposed.

1 Toxicological information

· Information on toxicological effects:

· Acute toxicity:

· LD/LC50 values that are relevant for classification:			
20859-73-8 Aluminum Phosphide			
Oral	LD50	0.4 mg/kg (Rat)	
1111-78-1	1111-78-1 Ammonium Carbamate		
Oral	LD50	1,470 mg/kg (Rat)	
Inhalative	LC50/96 hours	37 mg/l (Trout)	

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7004 44 5		
	7 Ammonia, a	•
Oral	LD50	350 mg/kg (Rat)
	LC50/4 h	2,000 mg/l (Rat)
	2 Phosphine	
	LC50/4 h irritant effect:	11 ppm (Rat)
 On the si May be in Strong ca Irritant to On the ey Strong irri Corrosive Causes s Addition 	kin: ritating. lustic effect on skin and muco ye: itant with the d effect. erious eye irrit al toxicologic duct shows th ons:	a skin and mucous membranes. Dus membranes. danger of severe eye injury.
· IARC (Int		gency for Research on Cancer):
None of the	ne ingredients	are listed.
	tional Toxicol ne ingredients	logy Program): are listed.
12 Ecolog	ical inform	ation
1111-78- EC50 12	t oxicity: ease into the e 1 Ammonium 9.1 mg/l (Gree	en algae)
63	mg/I (Water f	lea)
Behavior Bioaccur Mobility Ecotoxic	r in environme mulative pote in soil: No furt	adability: No further relevant information available. ental systems: ential: No further relevant information available. ther relevant information available. fish

Water hazard class 2 (Self-assessment): hazardous for water

- · Results of PBT and vPvB assessment:
- · PBT: Not applicable.

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- · vPvB: Not applicable.
- · Other adverse effects: No further relevant information available.

Disposal considerations

Waste treatment methods

· Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

When being disposed of, spilled or partially reacted Fumitoxin products are considered hazardous wastes under existing Federal Regulations. If properly exposed, the gravish-white residual dust after a fumigation will not be a hazardous waste and normally contains only a very small amount of unreacted aluminum phosphide. This waste will be safe for disposal. However, the spent residual dust from incompletely exposed Fumitoxin products may require special care.

Triple rinse tablet and pellet flasks and stoppers with water. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Rinsate may be disposed of in a storm sewer, sanitary landfill or by other approved procedures. Or, it is permissible to remove lids and expose empty flasks to atmospheric conditions until the residue in the flasks is reacted. Then puncture and dispose of in a sanitary landfill or other approved site, or by other procedures approved by state and local authorities. Some local and state waste disposal regulations may vary from the following recommendations. Disposal procedures should be reviewed with appropriate authorities to ensure compliance with local regulations. Contact your State Pesticide or Environmental Control Agency or Hazardous Waste Specialist at the nearest EPA Regional Office for guidance.

1. Confinement of partially spent residual materials, as in a closed container, or collection and storage of large quantities of dust may result in a fire or explosion hazard. Small amounts of phosphine (hydrogen phosphide, PH3) may be given off from unreacted aluminum phosphide, and confinement of the gas may result in a flash.

2. In open areas, small amounts of spent residual dust or spent packaged products may be disposed of on site by burial or by spreading over the land surface away from inhabited buildings.

3. Residual dust from Fumitoxin products may also be collected and disposed of at a sanitary landfill, or other approved sites or by other procedures approved by Federal, State or Local authorities.

4. From 3 to 5 kg (7 to 10 lbs.) of spent dust from 2 to 3 flasks of Fumitoxin may collected for disposal

in a 1-gallon bucket. Larger amounts, up to about one-half case, may be collected in burlap, cotton or other types of porous cloth bags for transportation in an open vehicle to the disposal site. Do not collect dust from more than 7 flasks of tablets, 10 flasks of pellets (about 11 kg or 25 lbs.) in a single bag. Do not pile cloth bags together. Do not use this method for partially spent or "green" dust. Caution: Do not collect dust in large drums, dumpsters, plastic bags or other containers where confinement may occur.

Uncleaned packaging

Recommendation:

Triple rinse tablet and pellet flasks and stoppers with water and then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

4 Transport information

- · UN-Number:
- · DOT, TDG, IMDG, IATA
- UN proper shipping name:
- DOT
- · TDG

· IMDG

· IATA

UN1397

Aluminum phosphide UN1397 Aluminum phosphide, ENVIRONMENTALLY HAZARDOUS ALUMINIUM PHOSPHIDE, MARINE POLLUTANT ALUMINIUM PHOSPHIDE

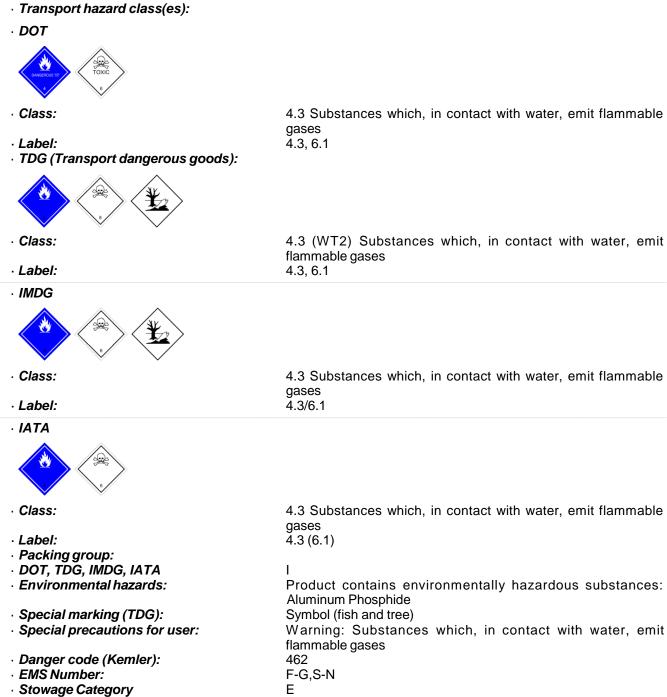
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- Stowage Code
- · Handling Code
- · Segregation Code

SW3 Shall be transported under temperature control.

H1 Keep as dry as reasonably practicable

SW2 Clear of living quarters.

SG26 In addition: from goods of classes 2.1 and 3 when stowed on deck of a containership a minimum distance of two container spaces athwartship shall be maintained, when stowed on ro-ro ships a distance of 6 m athwartship shall be maintained.

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		SG35 Stow "separated from" acids.
	n bulk according to Annex II of	Netenplieshe
MARPOL73/78 and the IBC Code:		Not applicable.
-	Additional information:	
• DOT • Quantity lin	nitations:	On passenger aircraft/rail: Forbidden On cargo aircraft only: 15 kg
· TDG · Excepted q	uantities (EQ):	Code: E0 Not permitted as Excepted Quantity
Excepted q	antities (LQ): uantities (EQ): Regulation":	0 Code: E0 Not permitted as Excepted Quantity UN 1397 ALUMINUM PHOSPHIDE, 4.3 (6.1), I, ENVIRONMENTALLYHAZARDOUS
15 Regulato	ry information	
SARA (Sup Section 355	Ith and environmental regulation erfund Amendments and Reau 5 (extremely hazardous substar Aluminum Phosphide	
	3 (Specific toxic chemical listing	ne).
	Aluminum Phosphide	<i>Js).</i>
20000 10 0	TRADE SECRET	
. TSCA (Tox	ic Substances Control Act):	
	Aluminum Phosphide	
· TSCA new	(21st Century Act) (Substances	not listed)
	Aluminum Phosphide	
1111-78-1	Ammonium Carbamate	
	TRADE SECRET	
	Proprietary	
· Chemicals	known to cause cancer:	
None of the	ingredients are listed.	
· Canadian s	ubstance listings:	
	Domestic Substances List (DSL):
TRADE SEC	CRET	
Proprietary		
Proprietary		
	ngredient Disclosure list (limit (0.1%):
None of the	ingredients are listed.	
	ngredient Disclosure list (limit 1	1%):
20859-73-8	Aluminum Phosphide	
	TRADE SECRET	
		(Contd. on page 13)

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· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms:



- · Signal word: Danger
- Hazard-determining components of labeling:
- Aluminum Phosphide
- Ammonium Carbamate
- · Hazard statements:
- H250 Catches fire spontaneously if exposed to air.
- H260 In contact with water releases flammable gases which may ignite spontaneously.
- H300+H330 Fatal if swallowed or if inhaled.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H400 Very toxic to aquatic life.

· Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
	smoking.
P222	Do not allow contact with air.
P223	Do not allow contact with water.
P231+P232	Handle and store contents under inert gas. Protect from moisture.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P321	Specific treatment (see on this label).
P330	Rinse mouth.
P302+P335+P334	IF ON SKIN: Brush off loose particles from skin. Immerse in cool water.
P302+P335+P334	IF ON SKIN: Brush off loose particles from skin. Immerse in cool water or wrap in wet
	bandages.
P302+P352	If on skin: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
P320	Specific treatment is urgent (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P370+P378	In case of fire: Use for extinction: CO2, sand, extinguishing powder.
P391	Collect spillage.
P402+P404	Store in a dry place. Store in a closed container.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
	(Contd. on page 14)

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Trade Name: Fumitoxin® Tablets - Reg. No.19227; Fumitoxin® Pellets - Reg. No. 19226 Pest Control Product Act.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

None of the ingredients are listed.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information:

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· Date of the latest revision of the safety data sheet 06/26/2018 / 2

· Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative * **Data compared to the previous version altered.**

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