

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 04/02/2015

Reviewed on 04/02/2015

· Product identifier

- · Trade name: Magtoxin® Spot Fumigant; U.S. EPA Reg. No. 72959-7; Canadian Reg. No. 26524
- · Relevant identified uses of the substance or mixture and uses advised against
- Product description Fumigant for Insect Control
- · Application of the substance / the mixture

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

· Details of the supplier of the safety data sheet

 Manufacturer/Supplier: DEGESCH America, Inc.
 153 Triangle Dr.
 P.O. Box 116
 Weyers Cave, VA 24486 USA
 Telephone: (540) 234-9281 / 800-330-2525
 Telefax: (540) 234-8225
 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

· Classification	n of the substance or mixture
GHS GHS	02 Flame
Water-react. 1	H260 In contact with water releases flammable gases which may ignite spontaneously.
GHS	S06 Skull and crossbones
Acute Tox. 2	H330 Fatal if inhaled.
GHS	S05 Corrosion
Eye Dam. 1	H318 Causes serious eye damage.
GHS	S09 Environment
Aquatic Acute	1 H400 Very toxic to aquatic life.
GHS	607

Skin Irrit. 2 H315 Causes skin irritation.

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- · Label elements
- · GHS label elements

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

Hazard pictograms



· Signal word Danger

· Hazard statements

In contact with water releases flammable gases which may ignite spontaneously.

Fatal if inhaled.

Causes skin irritation.

Causes serious eye damage.

Very toxic to aquatic life.

Precautionary statements

Keep away from any possible contact with water, because of violent reaction and possible flash fire. Do not breathe dust/fume/gas/mist/vapors/spray.

Wear respiratory protection.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid release to the environment.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

If swallowed: Immediately call a poison center/doctor.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, Continue rinsing. Specific treatment is urgent (see supplementary first aid instructions on this Safety Data Sheet).

Take off contaminated clothing and wash before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation occurs: Get medical advice/attention.

In case of fire: Use for extinguishing: CO2, sand, extinguishing

powder.

If on skin: Wash with plenty of water.

Collect spillage.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Store in a dry place. Store in a closed container.

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

· Unknown acute toxicity:

8 percent of the mixture consists of ingredient(s) of unknown toxicity.

- · Classification system:
- NFPA ratings (scale 0 4)



The substance demonstrates unusual reactivity with water.

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· HMIS-ratings (scale 0 - 4)

HEALTH*4FIRE4Fire = 4REACTIVITY [2]Reactivity = 2

· Other hazards None known

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous	Components:	
12057-74-8	Magnesium Phosphide	66%
	🚸 Water-react. 1, H260; 🚸 Acute Tox. 2, H300; 🚸 Aquatic Acute 1, H400	
1111-78-0	Ammonium Carbamate	Proprietary%
	October 100 Acute Tox. 4, H302	
	Proprietary	2-12%
	Carc. 2, H351; () Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	
	Proprietary	≤ 2.5%
	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	

· Additional information:

Magtoxin Spot Fumigant reacts with water to produce phosphine (hydrogen phosphide, PH3, CAS No. 7803- 51-2) as shown in Equation 1. Magtoxin is formulated with 66% magnesium 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) Mg3P2 + 6H2O ---> 3Mg(OH)2 + 2PH3

2) NH2COONH4 ---> 2NH3 + CO2

4 First-aid measures

· Description of first aid measures

· General information:

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 air. 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.

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· After swallowing:

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

Magnesium 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.
- · 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 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), ammonia and phosphoric acid.

· Advice for firefighters

Magnesium phosphide is no 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.

Protective equipment:

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Wear a NOISH/MSHA 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/MSHA approved SCBA must be worn.

6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

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Respiratory protection will most likely be required during cleanup of spilled magnesium 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.

· Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

• Methods and material for containment and cleaning up:

If possible, dispose of spilled material according to label instructions. Freshly spilled material which has not been contaminated by water or foreign matter may be replaced 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 0.5 kg (1 lb.) 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 2 to 4 kg (4 to 9 lbs.) may be spread out over the ground in an open area to be deactivated by atmospheric moisture. Alternatively, spilled magnesium phosphide fumigants may be deactivated by the wet method as described in the following:

Wet Deactivation of Spilled Magtoxin Spot Fumigant Product:

1. Spilled Magtoxin Spot Fumigant may be deactivated with water. Do not use detergent for the deactivation of these products. Fill the container in which the deactivation is to be performed with water to within a few inches of the top.

2. The spilled material is added slowly to the water. Product may ignite during wet deactivation if it is allowed to float to the surface. Add weights or otherwise ensure that the materials stay submerged until deactivation is complete. At no time should the deactivation container be covered.

3. Due to the reactivity of magnesium phosphide, additions of spilled product to the water should be made slowly and carefully. This should be done in open air and respiratory protection will probably be required.

4. Allow the mixture to stand, with occasional stirring, for about six hours. Do not cover the container. The mixture will then be safe for disposal.

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

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.
- · Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke. Protect from heat. 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.

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- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
 Store in cool, dry conditions in well-sealed containers.
 Protect from heat and direct sunlight.
- 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:	
Prop	prietary
PEL	Long-term value: 20 ppm (containing <1% Quartz)
REL	Long-term value: 2* mg/m ³ *respirable dust
TLV	Long-term value: 2* mg/m ³ *as respirable fraction; E
Prop	rietary
PEL	Long-term value: 15* mg/m ³ fume; *total particulate
TLV	Long-term value: 10* mg/m ³ *as inhalable fraction
7803	-51-2 phosphine
PEL	Long-term value: 0.4 mg/m ³ , 0.3 ppm
REL	Short-term value: 1 mg/m³, 1 ppm Long-term value: 0.4 mg/m³, 0.3 ppm
TLV	Short-term value: (1.4) mg/m ³ , (1) ppm Long-term value: (0.42) mg/m ³ , (0.3) NIC-0.1 ppm Ceiling limit value: NIC-0.5 ppm
7664	-41-7 ammonia, anhydrous
PEL	Long-term value: 35 mg/m ³ , 50 ppm
REL	Short-term value: 27 mg/m³, 35 ppm Long-term value: 18 mg/m³, 25 ppm
TLV	Short-term value: 24 mg/m³, 35 ppm Long-term value: 17 mg/m³, 25 ppm
· Add	itional information: The lists that were valid during the creation were used as basis.
	osure controls conal 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.

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· Breathing equipment:

Respiratory protection will most likely be required while using magnesium 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.

· Protection of hands:



Protective gloves

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.

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

· Information on basic physical and chemical properties

· 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: Not required.

9 Physical and chemical properties

General Information Appearance:	
Form: Granulate Color: Dark charcoal gray • Odor: Garlic, carbide or decaying fish • Odor threshold: Not determined.	
• <i>pH-value:</i> Not applicable.	
· Change in condition Melting point/Melting range: Boiling point/Boiling range:Mg3P2 = > 1000 °C (= > 1832 °F) (F Mg3P2 = > 1000 °C (= > 1832 °F) (F	
Flash point: Not determined	
• Flammability (solid, gaseous): Contact with water or acids liberates	flammable gases.
· Ignition temperature: Not determined	
Decomposition temperature: Decomposes at ambient conditions	when moisture is present.
• Auto igniting: Spontaneously flammable in air.	
• Danger of explosion: Not determined.	
 Explosion limits: Lower: 1.8 Vol % (for PH3) Upper: Not established Vol % (for PH3) 	
• Vapor pressure: Mg3P2 = 0 mm Hg PH3 = 40 mm Hg @ -129.4 °C AC = 100 mm Hg @ 26.7 °C	
 Density @ 20 °C (68 °F): Mg3P2 = 2.06 g/cm³ (= 17. lb/gal) (Relative density Not determined. 	PH3 = 1.17g/cm ³) (Cont. on page 8)

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 Vapor density Evaporation rate 	Not applicable. Not applicable.
 Solubility in / Miscibility with Water: 	Mg3P2 = Insoluble, reacts PH3 = 26 cc in 100 ml at 17 °C AC = Very soluble, reacts
· Partition coefficient (n-octanol/wate	er): Not determined.
 Viscosity: Dynamic: Kinematic: 	Not applicable. Not applicable.
 Solvent content: Organic solvents: 	0.0 %
Solids content: • Other information	100 % 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 magnesium, phosphorous, nitrogen (NOx), carbon, aluminum and silicon, 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 	nt for classification:
--	------------------------

1111-78-0 Ammonium Carbamate

Oral LD50 1400 mg/kg (rat)

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	phosphin		
Inhalative	LC50/1 h	180 ppm (rat)	
7664-41-7	' ammonia	, anhydrous	
Oral	LD50	350 mg/kg (rat)	
		2000 mg/l (rat)	
12057-74-		ium Phosphide	
Oral · Primary i	LD50	> 5000 mg/kg (rat)	
· Additiona	e: Direct co al toxicolog uct shows ons:	irritating. ontact may cause eye irritation. gical information: Is the following dangers according to internally approved calculation methods	for
Group 1 - Group 2A Group 2B Group 3 -	Carcinoge - Probably - Possibly Not classif	Agency for Research on Cancer) nic to humans carcinogenic to humans carcinogenic to humans iable as to its carcinogenicity to humans not carcinogenic to humans	
Proprietar	у		2B
· NTP (Nati	ional Toxic	cology Program)	
None of th	ne ingredier	nts are listed.	
	• •	ional Safety & Health Administration) nts are listed.	
12 Ecologi	cal infor	mation	
1111-78-1	ase into the Ammoniu	e environment. Runoff from fire control may cause pollution. Im Carbamate	
	9.1 mg/l (G mg/l (Wate	reen algae) er flea)	

- Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- Ecotoxical effects:
- · Remark: Very toxic for fish
- · Additional ecological information:
- · General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

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- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 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 Magtoxin Spot Fumigant fumigants are considered hazardous wastes under existing Federal Regulations. If properly exposed, the grayish-white residual dust from these products will not be a hazardous waste and normally contain only a very small amount of unreacted magnesium phosphide. This waste will be safe for disposal. Properly exposed material is not a hazardous waste. However, the residuals from incompletely exposed Spot Fumigant fumigants may require special care. Flasks which contain Magtoxin Spot Fumigant must be triple rinsed or dry deactivated. Empty pails and flasks may be offered for recycling or reconditioning, or punctured and disposed of in a sanitary landfill, 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 fumigant or residual dust, as in a closed container, or collection and storage of large quantities of fumigant may result in a fire or explosion hazard. Small amounts of phosphine (hydrogen phosphide, PH3) may be given off from unreacted magnesium phosphide, and confinement of the gas may result in a flash.

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

3. Residuals from Magtoxin Spot Fumigant fumigants may also be collected and disposed of at a sanitary landfill, incinerator or other approved sites or by other procedures approved by Federal, State or Local authorities.

4. From 1 to 2 kg (2 to 4 lbs.) of spent fumigant may be collected for disposal in an open 1-gallon bucket. Caution: Do not collect dust in large drum, dumpsters, plastic bags or other containers where confinement may occur. Transport the uncovered buckets in an open vehicle for disposal or deactivation.

· Uncleaned packagings:

· Recommendation:

Triple rinse or dry deactivate any flasks and offer empty pails and flasks for recycling or reconditioning; or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

14 Transport information

· DOT, ADR, IMDG, IATA	UN2011
· UN proper shipping name	
·DOT	Magnesium phosphide
· ADR	UN2011 Magnesium phosphide, ENVIRONMENTALLY HAZARDOUS
·IMDG	MAGNESIUM PHOSPHIDE, MARINE POLLUTANT
·IATA	MAGNESIUM PHOSPHIDE
	(Cont. on page 11)

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Safety Data Sheet (SDS) OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

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· Transport/Additional information:

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Trade name: Magtoxin® Spot Fumigant; U.S. EPA Reg. No. 72959-7

· DOT · Quantity limitations	On passenger aircraft/rail: Forbidden On cargo aircraft only: 15 kg
· ADR	
 Excepted quantities (EQ) 	Code: E0 Not permitted as Excepted Quantity
· IMDG	
 Limited quantities (LQ) 	0
 Excepted quantities (EQ) 	Code: E0 Not permitted as Excepted Quantity
• UN "Model Regulation":	UN2011, Magnesium phosphide, ENVIRONMENTALLY HAZARDOUS, 4.3,6.1, I

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture · Sara

Section 355 (extremely hazardous substances):	
None of the ingredients are listed.	
· Section 313 (Specific toxic chemical listings):	
Proprietary	
· TSCA (Toxic Substances Control Act):	
All ingredients are listed.	
· Proposition 65	
· Chemicals known to cause cancer:	
None of the ingredients are listed.	
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients are listed.	
· Chemicals known to cause reproductive toxicity for males:	
None of the ingredients are listed.	
· Chemicals known to cause developmental toxicity:	
None of the ingredients are listed.	
· Carcinogenic categories	
· EPA (Environmental Protection Agency)	
Proprietary	D, I, II
· TLV (Threshold Limit Value established by ACGIH)	
Proprietary	A4
Proprietary	A4
· NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients are listed.	
• GHS label elements	

This product is labeled according to FIFRA.

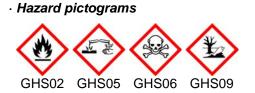
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· Signal word Danger

Hazard statements

In contact with water releases flammable gases which may ignite spontaneously.

Fatal if inhaled.

Causes skin irritation.

Causes serious eye damage.

Very toxic to aquatic life.

· Precautionary statements

Keep away from any possible contact with water, because of violent reaction and possible flash fire. Do not breathe dust/fume/gas/mist/vapors/spray.

Wear respiratory protection.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid release to the environment.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

If swallowed: Immediately call a poison center/doctor.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses. Continue rinsing.

Specific treatment is urgent (see supplementary first aid instructions on this Safety Data Sheet).

Take off contaminated clothing and wash before reuse.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If skin irritation occurs: Get medical advice/attention.

In case of fire: Use for extinction: CO2, sand, extinguishing powder.

If on skin: Wash with plenty of water.

Collect spillage.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Store in a dry place. Store in a closed container.

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

· National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

State Right to Know 12057-74-8 Magnesium Phosphide Water-react. 1, H260; Acute Tox. 2, H300; Aquatic Acute 1, H400 1111-78-0 Ammonium Carbamate Acute Tox. 4, H302

Proprietary	2-12%
Carc. 2, H351; () Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H33 Eye Irrit. 2B, H320	5;
Proprietary	2-12%
Proprietary	≤ 2.5%
🚸 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	

(Cont. on page 14)

66%

Proprietary%

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Proprietary

≤ 2.5%

All ingredients are listed.

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

6 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 preparation / last revision 04/02/2015 / -

Abbreviations and acronyms:

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association ACGIH: American Conference of Governmental Industrial Hygienists 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 Water-react. 1: Substances and Mixtures which, in contact with water, emit flammable gases, Hazard Category 1 Acute Tox. 2: Acute toxicity, Hazard Category 2

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B

Carc. 2: Carcinogenicity, Hazard Category 2 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

* Data compared to the previous version altered.

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