



U.S. ENVIRONMENTAL PROTECTION AGENCY
 Office of Pesticide Programs
 Registration Division (7505P)
 1200 Pennsylvania Ave., N.W.
 Washington, D.C. 20460

EPA Reg. Number:

40285-18

Date of Issuance:

5/4/20

NOTICE OF PESTICIDE:

Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Technical Grade Aluminum
 Phosphide

Name and Address of Registrant (include ZIP Code):

Susan H. Nichols
 Environmental Affairs Program Director
 Degesch America, Inc.
 153 Triangle Drive, P.O. Box 116
 Weyers Cave, VA 24486

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Date:

5/4/20

Venus Eagle, Product Manager 01
 Invertebrate & Vertebrate Branch 3, Registration Division (7505P)

2. You are required to comply with the data requirements described in the DCI identified below:
 - a. Aluminum Phosphide GDCI-066501-1402

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division (PRD): <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

As of the date on this registration, the remaining studies from the DCI you are required to submit to the Agency by August 31, 2020 are an Acute Inhalation Toxicity Study (Guideline SS-1150), and an Extended One-Generation Reproduction Study (Inhalation Route; SS-1236). Further, the Agency does not expect to grant any new uses for aluminum phosphide prior to submission and review/acceptance of these outstanding DCI data.

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one-year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. You are required to submit a sample of the analytical grade of the active ingredient. Please contact the Analytical Chemistry Branch regarding the need/scheduling for submittal of the analytical method used to assay the active ingredient in the product.

Yaorong Qian, Acting Branch Chief
Environmental Science Center
701 Maples Road
Ft. Mead, MD 20755-5350
Phone: 410-305-2636

5. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, “EPA Reg. No. 40285-18.”
6. Submit one copy of the final printed label for the record before you release the product for shipment.

If you fail to satisfy these conditions, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e).

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those

claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 11/15/2019

If you have any questions, please contact Paul Di Salvo by phone at 703-347-0322, or via email at disalvo.paul@epa.gov.

Enclosure: Stamped Label

RESTRICTED USE PESTICIDE

**DUE TO HIGH ACUTE INHALATION TOXICITY OF PHOSPHINE GAS
FOR USE ONLY IN THE MANUFACTURE OF ALUMINUM PHOSPHIDE FUMIGANTS**

TECHNICAL GRADE ALUMINUM PHOSPHIDE

ACTIVE INGREDIENT: Aluminum Phosphide..... 87.4%
OTHER INGREDIENTS:..... 12.6%
TOTAL:..... 100%

EPA Reg. No. 40285-18



**KEEP OUT OF REACH OF CHILDREN
DANGER/PELIGRO – POISON**



FIRST AID

Symptoms of overexposure to this product 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.

If inhaled:

- Move 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.
- Call a poison control center or doctor for further treatment advice.

If swallowed:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin or clothing:

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

If in eyes:

- 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 eye.
- Call a poison control center or doctor for further treatment advice.

Note to Physician

Probable mucosal damage may contraindicate the use of gastric lavage. Aluminum phosphide reacts with water or acid to form phosphine gas. Mild exposure by inhalation causes malaise, ringing in the ears, fatigue, nausea, and pressure in the chest, which is relieved by removal to fresh air. Moderate poisoning cause's weakness, vomiting, epigastric pain, chest pain, diarrhea, and dyspnea. Severe poisoning, occurring in a few hours to several days, can result in pulmonary edema and may lead to dizziness, cyanosis, unconsciousness, and death. Treatment is symptomatic. Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-308-4856 for emergency medical treatment information.

HOT LINE NUMBER

Take container label or product name and EPA Registration Number with you when seeking medical attention. **CONTACT 1-800-308-4856 FOR ASSISTANCE WITH HUMAN OR ANIMAL MEDICAL EMERGENCIES.** You may also contact DEGESCH AMERICA, INC. – (540) 234-9281/1-800-330-2525 –or CHEMTREC – 800-424-9300 for all other chemical emergencies

Manufactured by: Sumitomo Chemical India Limited
Plot No. 205-209, Bhuj-Mundra Road
Near Kera Village
Taluka; Bhuj, District: Kutch, Gajod: 370 430
Gujarat, India
EPA Est. No. 83897-IND-002

For: DEGESCH AMERICA, INC.
P. O. Box 116 - 153 Triangle Drive
Weyers Cave, VA 24486 USA
Telephone: (540) 234-9281/1-800-330-2525
Fax: (540) 234-8225
Internet: www.degeschamerica.com
E-mail: degesch@degeschamerica.com
EPA Est. No. 40285-VA-1
EPA Reg. No. 40285-18

ACCEPTED

05/04/2020

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 40285-18

Contents: Net Weight
Batch No. _____

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER: Forms extremely hazardous gas. KEEP OUT OF REACH OF CHILDREN. Fatal if swallowed. May be fatal if absorbed through skin. Phosphine gas released by this fumigant is extremely toxic. May be fatal if inhaled. Causes moderate eye irritation. Do not get in eyes, on skin, or on clothing. Do not breathe vapor. Wear appropriate respiratory protection. Wear appropriate protective eyewear. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. . Wear long-sleeved shirt and long pants, socks, shoes, and gloves. Exposure to moisture in the air or liquids releases flammable and toxic hydrogen phosphide (phosphine, PH₃) gas. Spontaneous ignition may result if contacted by liquids such as water, acids, or chemicals. Wear appropriate respiratory protection when concentration levels are unknown. NIOSH approved respiratory protection may be worn if the concentration is known to be less than or equal to 15 ppm.

Environmental Hazards: This product is extremely toxic to wildlife. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other public waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Physical and Chemical Hazards

Technical grade aluminum phosphide will release phosphine gas if exposed to moisture from the air or if it comes into contact with water, acids and many other liquids.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. THIS PRODUCT IS FOR USE ONLY IN THE MANUFACTURE OF ALUMINUM PHOSPHIDE FUMIGANTS FOR THE FOLLOWING USES:

1. Terrestrial food and feed crops uses:

A. Crop-

almonds	flower seed	sesame seed
animal feed & feed ingredients	grass seed	seed & pod vegetables
barley	millet	sorghum
Brazil nuts	oats	soybeans
cashews	peanuts	sunflower seeds
cocoa beans	pecans	triticale
coffee beans	pistachio nuts	vegetable seed
corn	popcorn	walnuts
cottonseed	rice	wheat
dates	rye	
filberts	safflower seed	

B. Processed crop-

processed candy and sugar
cereal flours and bakery mixes
cereal foods (including cookies, crackers, macaroni, noodles, pasta, pretzels, snack foods and spaghetti)
processed cereals (including milled fractions and packaged cereals)
processed oats (including oatmeal)
cheese and cheese byproducts
chocolate and chocolate products (such as assorted chocolate, chocolate liquor, cocoa, cocoa powder, dark chocolate coating and milk chocolate products)
processed coffee
corn grits
cured, dried and processed meat products and dried fish
dates and figs
dried eggs and egg yolk solids
dried milk, dried powdered milk, nondairy creamers and nonfat dried milk
dried or dehydrated fruits (such as apples, dates, figs, peaches, pears, prunes, raisins, citrus and sultanas)
processed herbs, spices, seasonings and condiments
malt
processed nuts (such as almonds, apricot kernels, brazil nuts, cashews, filberts, macadamia nuts, peanuts, pecans, pistachio nuts, walnuts and other processed nuts)
soybean flour and milled fractions

processed tea
dried and dehydrated vegetables (such as beans, carrots, lentils, peas,
potato flour, potato products and spinach)
yeast (including primary yeast)
rice (brewer's rice grits, enriched and polished)
wild rice

2. Terrestrial non-food crop uses:

tobacco
dried plants and flowers
seeds

3. Terrestrial non-food outdoor for burrowing rodent applications: The use of this product is strictly prohibited within 100 feet of any building where humans and/or domestic animals do or may reside on single or multi-family residential properties and nursing homes, schools (except athletic fields), daycare facilities and hospitals.

4. Terrestrial non-food indoor for fumigation of non-food-commodities:

processed or unprocessed cotton, wool and other natural fibers or cloth
clothing
straw and hay
feathers
human hair, rubberized hair, vulcanized hair and mohair
leather products, animal hides and furs
tobacco
tires (for mosquito control)
wood, cut trees, wood chips, wood and bamboo products
paper and paper products
dried plants and flowers
seeds

5. Uses for which US EPA has accepted the required data and/or citations of data that the formulator has submitted in support of registrations. Products formulated from this product will require registration with the US environmental Protection Agency.

6. Uses for experimental purposes that are in compliance with US EPA requirements

Products formulated from this product will require registration with the US Environmental Protection Agency

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage:

- Keep Technical Grade Aluminum Phosphide in a dry, well ventilated area away from heat, under lock and key. Post as a pesticide storage area.
- Do not store in areas where temperature may exceed 130°F.
- Do not store in buildings where humans or domestic animals reside. Keep out of reach of children.
- Not for use or storage in or on single or multi-family residential properties, nursing homes, schools, daycare facilities and hospitals.

Container handling: Non-refillable container. Do not reuse or refill this container. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in sanitary landfill or by other procedures approved by state and local authorities.

Pesticide Disposal:

This material is a hazardous waste. Proper disposal of aluminum phosphide is required to ensure minimal impact on the environment. Formulators using this product should dispose of unwanted active ingredient and container in accordance with state and local authorities.