

DEGESCH AMERICA INC -- ALUMINUM PHOSPHIDE,PHOSTOXIN -- 6840-00-145-0016

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Product Identification  
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Product ID:ALUMINUM PHOSPHIDE,PHOSTOXIN

MSDS Date:09/01/1986

FSC:6840

NIIN:00-145-0016

MSDS Number: BRQBM

=== Responsible Party ===

Company Name:DEGESCH AMERICA INC

Address:275 TRIANGLE DR

Box:116

City:WEYERS CAVE

State:VA

ZIP:24486

Country:US

Info Phone Num:703-234-9281

Emergency Phone Num:7

03-234-9281/800-424-9300(CHEMTREC)

CAGE:59471

=== Contractor Identification ===

Company Name:DEGESCH AMERICA INC

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Box:116

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ZIP:24486

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Phone:703-234-9281

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Composition/Information on Ingredients  
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Ingred Name:NO INGREDIENT FOR THIS FORMULATION\_INGREDIENT

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Hazards Identification  
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LD50 LC50 Mixture:ORAL LD50 IS 11.5 MG/KG.

Routes of Entry: Inhalation:YES Sk

in:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE & CHRONIC-ALUMINUM PHOSPHIDE TABLETS, PELLETS OR DUST REACTS WITH AIR MOISTURE,ACIDS & MANY OTHER LIQUIDS TO RELEASE HYDROGEN PHOSPHIDE GAS.INHALING GAS MAY CAUSE MALAISE,RINGING IN EARS,FATIGUE ,NAUSEA,VOMITING,DIARRHEA,WEAKNESS,PAINJUST ABOVE STOMACH, CHEST PAIN,DYSPNEA,PULMONARY EDEMA,DIZZINESS,COMA & DEATH.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO MATERIALS CURRENTLY

CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:ALUMINUM PHOSPHIDE TABLETS, PELLETS OR DUST REACTS WITH AIR MOISTURE, ACIDS & MANY OTHER LIQUIDS TO RELEASE HYDROGEN PHOSPHIDE GAS. INHALING GAS MAY CAUSE MALAISE, RINGING IN EARS, FATIGUE, NAUSEA, VO MITING, DIARRHEA, WEAKNESS, PAIN JUST ABOVE STOMACH, CHEST PAIN, DYSPNEA, PULMONARY EDEMA, DIZZINESS, COMA & DEATH.

Medical Cond Aggravated by Exposure:PERSONS WITH IMPAIRED RESPIRATORY

FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

===== First Aid Measures =====

First Aid:CALL A DOCTOR IN ALL CASES. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF CONSC IOUS, DRINK 1-2 GLASSES OF WATER & INDUCE VOMITING. CALL A PHYSICIAN/ POISON CONTROL CENTER IMMEDIATELY.

===== Fi  
re Fighting Measures =====

Flash Point:NONE

Extinguishing Media:SUFFOCATE FLAMES WITH SAND, CARBON DIOXIDE OR DRY EXTINGUISHING CHEMICALS. DO NOT POUR WATER ON ALUMINUM PHOSPHIDE.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:READILY REACTS WITH WATER TO PRODUCE HYDROGEN PHOSPHIDE GAS WHICH MAY IGNITE SPONTANEO

USLY IN AIR AT  
CONCENTRATIONS ABOVE ITS LEL OF 1.8%.

===== Accidental Release Measures =====

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS.VENTILATE AREA.  
RECOVER IF FRESHLY SPILLED & NOT CONTAMINATED.SMALL  
AMOUNTS(9-18LBS)MAY BE SPREAD OUT IN AN OPEN AREA TO BE  
DEACTIVATED.LARGE SPILLS SHOULD BE DEACTIVATED US ING A 2%  
DETERGENT SOLUTION.ABOUT 45-50LBS/15 GAL

Neutralizing Agent:WATER

===== Handling and Storage =====  
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Handling and Storage Precautions:STORAGE-STORE IN A LOCKED,DRY,WELL  
VENTILATED AREA AWAY FROM HEAT.POST AS A PESTICIDE STORAGE  
ANIMALS.DO NOT STORE IN BUILDING INHABITED BY MAN/ANIMAL

Other Precautions:ALWAYS OPEN CONTAINERS IN OPEN AIR BECAUSE UNDER  
CERTAIN CONDITIONS THEY MAY FLASH. WHEN OPENING, VENT THE  
CONTAINERS AWAY FROM FACE AND BODY AND OPEN SLOWLY. NEVER OPEN  
CONTAINERS IN A FLAMMABLE ATMO SPHERE. AVOID CONTACT WITH  
WATER/LIQUIDS

===== Ex  
posure Controls/Personal Protection =====

Respiratory Protection:NIOSH-APPROVED SELF-CONTAINED BREATHING  
APPARATUS WHERE EVER CONCENTRATIONS OF PHOSPHINE GAS ARE UNKNOWN.  
IN OTHER SITUATIONS, OTHER NIOSH-APPROVED RESPIRATORS MAY BE USED  
WHICH ARE KNOWN TO OFFER PRO TECTION FOR ESTABLISHED LEVELS

Ventilation:LOCAL VENTILATION IS ADEQUATE. EXHAUST FANS MAY BE USED TO  
SPEED THE AERATION OF SILOS, WAREHOUSES, SHIPHOLDS,CONTAINERS

Protective Gloves:COTTON

Eye Protection:NONE  
NORMALLY REQUIRED.

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND  
IMPERVIOUS CLOTHING

Work Hygienic Practices:DO NOT BREATHE GAS OR DUST. WASH THOROUGHLY  
AFTER HANDLING. WHEN DEACTIVATING, WEAR SELF-CONTAINED BREATHING  
APPARATUS.

Supplemental Safety and Health

METALS SUCH AS COPPER, BRASS AND PRECIOUS METALS SUCH AS GOLD AND  
SILVER ARE SUSCEPTIBLE TO CORROSION BY PHOSPHINE. THUS SMALL  
ELECTRIC MOTORS, SMOKE DETECTORS, BRASS SPRINKLER HEADS, FORK  
LIF

TS, BATTERY CHARGERS, AND OTHER ELECTRONIC EQUIPMENT,  
PHOTOGRAPHIC FILM, SOME INORGANIC PIGMENTS SHOULD BE PROTECTED OR  
REMOVED.

===== Physical/Chemical Properties =====

HCC:F8

Boiling Pt:B.P. Text:>1832F,>100

Melt/Freeze Pt:M.P/F.P Text:>1832F

Vapor Pres:0

Spec Gravity:2.85

Solubility in Water:REACTS WITH WATER

Appearance and Odor:GREENISH GRAY COLOR. HYDROGEN PHOSPHIDE HAS GARLIC  
OR DECAYING FISH ODOR

===== Stability and Reactivity Data  
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Stability Indicator/Materials to Avoid:YES

WATER, ACIDS, OXIDIZING AGENTS

Stability Condition to Avoid:MOISTURE

Hazardous Decomposition Products:HYDROGEN PHOSPHIDE (PHOSPHINE) GAS  
UPON CONTACT WITH WATER OR MOISTURE.

===== Disposal Considerations =====

Waste Disposal Methods:THIRTY SIX HOURS AFTER DEACTIVATION,THE SLURRY  
IS SAFE FOR DISPOSAL. THIS SLURRY MAY BE Poured INTO A STORM SEWER  
OR OUT ONTO GROUND IF PERMITTED BY LOCAL, STATE  
AND FEDERAL RULES  
AND REGULATIONS.

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