

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

===== Product Identification =====

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

Address:275 TRIANGLE DR

Box:116

City:WEYERS CAVE

State:VA

ZIP:24486

Country:US

Phone:703-234-9281

CAGE:59471

===== Composition/Information on Ingredients =====

Ingred Name:NO INGREDIENT FOR THIS FORMULATION_INGREDIENT

===== Hazards Identification =====

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.

===== Fire 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 =====
=====

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

=====

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.

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department
of Defense. The United States of America in no manner whatsoever,
expressly or implied, warrants this information to be accurate and
disclaims all liability for its use. Any person utilizing this
document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.