

PESTCON SYSTEMS INC -- ALUMINUM PHOSPHIDE FUMITOXIN TABLETS -- 6840-00-145-0016

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

Product ID:ALUMINUM PHOSPHIDE FUMITOXIN TABLETS

MSDS Date:11/01/1997

FSC:6840

NIIN:00-145-0016

MSDS Number: BQMYJ

=== Responsible Party ===

Company Name:PESTCON SYSTEMS INC

Address:5511 CAPITAL CENTER DRIVE, SUITE 302

Box:469

City:RALEIGH

State:NC

ZIP:27606

Country:US

Info Phone Num:919-859-2500 FAX 919-859-2155

Emergency Phone Num:202-483-7616/80

0-424-9300(CHEMTREC)

CAGE:31618

=== Contractor Identification ===

Company Name:CHINA NATIONAL CHEMICALS IMPORT EXPORT CORP.

Box:City:BEIJING, PEOPLES REPUBLIC OF CHENA

CAGE:LO382

Company Name:GOURMET INQUE LTD

Address:191 STANLEY ST

Box:City:ELK GROVE VILLAGE

State:IL

ZIP:60007-1555

Country:US

Phone:847-296-6192/FAX: 800-542-1042

CAGE:0TNN7

Company Name:PESTCON SYSTEMS INC

Address:2221 POPLAR BLVD

Box:469

City:ALHAMBRA

State:CA

ZIP:91802

Country:US

Phone:213-283-2761

CAGE:31618

===== C

Composition/Information on Ingredients =====

Ingred Name:ALUMINUM PHOSPHIDE (SARA 302) (CERCLA)
CAS:20859-73-8
RTECS #:BD1400000
Fraction by Wt: 55%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:AMMONIUM CARBAMATE (CERCLA)
CAS:1111-78-0
RTECS #:EY8575000
Fraction by Wt: 41%
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:INERT INGREDIENTS (PARAFFIN)
Fraction by Wt: 4%
Other REC Limits:NONE RECOMMENDED

Ingred Name:THERE IS NO EXPOSURE LIMIT FOR ALUMINUM PHOSPHIDE, BUT
THERE IS FOR ITS DECOMPOSITION PRODUCT, PHOSPHINE GAS.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.3 PPM PHOSPHINE
ACGIH TLV:0.3 PPM PHOSPHINE

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

LD50 LC50 Mixture:LC50 ABOUT 190PPM FOR 1H/LD50 11.5 MG/KG
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, CNS,
RESPIRATORY & GI TRACTS. ACUTE- INHALATION OF PHOSPHINE GAS FORMED
BY AIR MOISTURE/WATER/ACID MAY CAUSE CNS EFFECTS, POISONING,
CYANOSIS, UNCONSCIOUSNESS & DEATH. INGESTION CAN BE FATAL. DUST
CAN IRRITATE & BURN EYES. MAY CAUSE SKIN IRRITATION. CHRONIC-
UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:MILD EXPOSURE CAUSES MALAISE, RINGING OF EARS,
FATIGUE, NAUSEA AND PRESSURE IN CHEST. MODERATE POISONING CAUSES
WEAKNESS, VOMITING,

PAIN ABOVE THE STOMACH, CHEST PAIN, DIARRHEA
AND DIFFICULTY BREATHING. SEVERE POISONING MAY CAUSE FLUID IN THE
LUNGS, DIZZINESS, BLUE OR PURPLE SKIN COLOR, UNCONSCIOUSNESS,
DEATH.

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

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH
WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN: WASH WITH SOAP
& WATER. INHALED: REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF
NEEDED. ORAL: IF CONSCIOUS
, DRINK TWO GLASSES OF WATER & INDUCE
VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER
GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS
CONVULSIONS.

===== Fire Fighting Measures =====

Flash Point:NONE
Lower Limits:NOT RELEVANT
Upper Limits:NOT RELEVANT
Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL OR SAND. DO NOT
USE WATER.
Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND
NIOSH-APPROVED SELF
-CONTAINED BREATHING APPARATUS WITH FULL
FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:DO NOT CONFINE SPENT ALUMINUM PHOSPHITE
RESIDUES. ANY HYDROGEN PHOSPHIDE GAS RELEASED MAY IGNITE.

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

Spill Release Procedures:IF AMOUNTS OF SPILL IS UNKNOWN, WEAR
SELF-CONTAINED BREATHING APPARATUS. DO NOT USE WATER TO CLEAN UP
SPILL. WEAR GLOVES AND TRANSFER UNCONTAMINATED SPILL TO SUITABLE
CONTAINER FOR REUSE. CONTAMINATED SPILL SHOULD BE DEACTIVATED BY
WATER+DETERGENT.
Neutralizing Agent:2% SOLUTION OF DETERGENT IN WATER

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A DRY, WELL VENTILATED AREA,
AWAY FROM HEAT, INCOMPATIBLES AND UNDER LOCK AND KEY. STORAGE
SHOULD BE AWAY FROM HUMAN, FOOD, FEED AND WATER.
Other Precautions:ALWAYS OPEN CONTAINERS IN OPEN AIR BECAUSE UNDER
CERTAIN CONDITIONS THEY MAY FLASH

H. WHEN OPENING, VENT THE CONTAINERS AWAY FROM FACE AND BODY AND OPEN SLOWLY. NEVER OPEN CONTAINERS IN A FLAMMABLE ATMO SPHERE. KEEP OUT OF REACH OF CHILDREN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS MUST BE WORN.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR D

UST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:COTTON, LATEX

Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES

Other Protective Equipment:EYE BATH, WASHING FACILITIES, SAFETY SHOWER AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

DIFFERENT FORMULA. EPA REGISTRATION NUMBERS: 5857-1 (TABLETS), 5857-2 (PELLETS). FUMITOXIN IS A R

ESTRICTED USE PESTICIDE AND IS FOR

RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS. METALS SUCH AS COPPER, BRASS AND PRECIOUS METALS SUCHAS GOLD AND SILVER ARE SUSCEPTIBLE TO CORROSION BY PHOSPHINE.

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

HCC:R2

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:>1832F/1000

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

Vapor Pres:0

Spec Gravity:2.85

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubil

ity in Water:INSOLUBLE (REACTS)

Appearance and Odor:GREENISH GRAY SOLID - GARLIC ODOR (HYDROGEN PHOSPHIDE GAS)

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

WATER, STRONG OXIDIZING AGENTS, ACIDS, CERTAIN METALS

Stability Condition to Avoid:MOISTURE

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

Waste Disposal Methods:IF TABLETS, PELLETS OR BAGS ARE EXPOSED TO CONTAMINATION BY WATER, ACIDS OR ATMOSPH

ERIC MOISTURE, IMMEDIATELY

CONTACT PESTCON SYSTEMS 919-859-2500 FOR GUIDANCE. DISPOSE IN
ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

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