

PESTCON SYSTEMS INC -- ALLUMINUM PHOSPHIDE, FUMITOXIN -- 6840-00-442-5698

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

Product ID:ALLUMINUM PHOSPHIDE, FUMITOXIN

MSDS Date:01/01/1997

FSC:6840

NIIN:00-442-5698

MSDS Number: BDYZP

=== 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:202-483-7616/800-424-9300(CHEMTREC)

CAGE:31618

=== Contractor Identification ===

Company Name:CHINA NATIONAL CHEMICALS IMPORT EXPORT CORP.

Box:City:BEIJING, PEOPLES REPUBLIC OF CHENA

CAGE:LO382

Company Name:EHRlich J C CHEMICAL CO INC

Address:500 SPRING RIDGE DR

Box:City:READING

State:PA

ZIP:19612-3848

Country:US

Phone:610-372-9700/FAX: 610-378-9744

CAGE:8C885

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  
Company Name:VAN WATERS AND ROGERS INC (919-292-0624)  
Box:UNKNOW  
CAGE:0JHE9

=====  
===== 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:INERT INGREDIENTS (INCLUDING AMMONIUM CARBONATE)  
Fraction by Wt: 45%  
Other REC Limits:NONE RECOMMENDED

=====  
==== 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. INGEST ION CAN BE FATAL. DUST  
CAN IR  
RITATE & 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 BREATHIN G. SEVERE POISONING MAY CAUSE FLUID IN THE  
LUNGS, DIZZINESS, BLUE OR PURPLE SKIN COLOR, UNCONSCIOUSNESS,  
DEATH.

=====  
===== First Aid Me

asures =====

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. WHEN OPENING, VENT THE CONTAINERS AWAY FROM FACE AND BODY AND OPEN SLOWLY. NEVER OPEN CONTAINERS IN A FLAMMABLE ATMOSPHERE. 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 DUST 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 Pract

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

Supplemental Safety and Health

EPA REGISTRATION NUMBERS: 5857-1 (TABLETS), 5857-2 (PELLETS) AND 5857-6 (BAGS). FUMITOXIN IS A RESTRICTED USE PESTICIDE AND IS FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS. METALS SUCH AS COPPER, BRASS AND PRECIOUS METALS SUCH AS 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,>100

Melt/Freeze Pt:M.P/F.P Text:>1832F,>100

Vapor Pres:0

Spec Gravity:2.85

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:INSOLUBLE (REACTS)

Appearance and Odor:GREENISH GRAY SOLID

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

Stability Indicator/Materials to Avoid:YES

WATER, STRONG OXIDIZING AGENTS, ACIDS

Stabili

ty Condition to Avoid:MOISTURE

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

Waste Disposal Methods:IF TABLETS, PELLETS OR BAGS ARE EXPOSED TO CONTAMINATION BY WATER, ACIDS OR ATMOSPHERIC MOISTURE, IMMEDIATELY CONTACT PESTCON SYSTEMS 919-859-2500 FOR GUIDANCE. DISPOSE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL 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.