

PESTCON SYSTEMS INC -- FUMITOXIN, TABLETS, PALLETS, BAGS -- 6840-00-442-5698

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

Product ID:FUMITOXIN, TABLETS, PALLETS, BAGS

MSDS Date:11/01/1997

FSC:6840

NIIN:00-442-5698

Status Code:A

MSDS Number: CJMVH

=== Responsible Party ===

Company Name:PESTCON SYSTEMS INC

Address:1808 FIRESTONE PARKWAY

City:WILSON

State:NC

ZIP:27893

Country:US

Info Phone Num:919-237-7923

Em

ergency Phone Num:202.483.7616

Chemtrec Ind/Phone:(800)424-9300

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

Contract Num:SP0450-99-M-C205

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
= Wt:55.
Other REC Limits:NONE RECOMMENDED
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:INERT INGREDIENTS

Ingred Name:AMMONIUM CARBAMATE
CAS:1111-78-0
RTECS #:EY8575000
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

=====
===== 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:FUMITOXIN IS NOT KNOWN TO BE
CARCINOGENIC & IS NOT LISTED AS SUCH BY NTP, IARC OR OSHA.
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 TH

E

LUNGS, DIZZINESS, BLUE OR PURPLE SKIN COLOR, UNCONSCIOUSNESS, DEATH.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====
===== 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 FLAMMABLE

Extinguishing Media:SUFFOCATE FLAMES WITH 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. FIRES CONTAINING HYDROGEN PHOSPHIDE OR METEL PHOSPHIDES WILL PRODUCE PHOSPHORIC ACID. ALUMINUM PHOSPID E IS NOT FLAMMABLE.

=====
===== 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 GLOV

ES 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. 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 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 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 Practices: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

Boiling Pt:B.P. Text:AIP>1000C PH3 -87.7C

Melt/Freeze Pt:M.P/F.P Text:AIP>1000C PH3 -133.5C

Vapor Pres:AIP 0MM HG;PH3 40MMHG@-12

Spec Gravity:AIP N/

A; PH3 1.17

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:AIP INSOLUBLE (REACTS)

Appearance and Odor:GREENISH GRAY, GARLIC, CARBIDE OR DECAYING FISH AND IS COLORLESS.

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

Stability Indicator/Materials to Avoid:YES

WATER, STRONG OXIDIZING AGENTS, ACIDS

Stability Condition to Avoid:FURNITOXIN ALUMINUM PHOSPHIDE IS STABLE TO MOST CHEMICAL REACTIONS, EXCEPT FOR HYDROLYSIS. REACTS TO

MOIST

AIR, LIQUID WATER, ACIDS AND SOME LIQUIDS TO PRODUCE PHOSOPHINE, PH3 GAS.

Hazardous Decomposition Products:ON REACTING WITH MOISTURE FORMS HYDROGEN PHOSPHIDE GAS (PHOSPHINE, PH3) GAS WHICH MAY IGNITE SPONTANEOUSLY IN AIR AT CONCENTRATION ABOVE PEL OF 1.8% V/V.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

=====
===== Toxicological Information =====

Toxicological Information:FUMITOXIN IS NOT KNOWN TO CAUSE CHRONIC POISONING.

=====
===== Ecological Information =====

Ecological:NONE SPECIFIED BY MANUFACTURER.

=====
===== 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.

=====
===== MSDS Transport Information =====

Transport Information:D.O.T. SHIPPING NAME: ALUMINUM PHOSPHIDE. HAZARD CLASS OR DIVISION: 4.3. IDENTIFICATION NUMBERS: UN1397. PACKING GROUP I. LABELS REQUIRED: DANGEROUS WHEN WET/ POISON.

=====
===== Regulatory Information =====

SARA Title III Information:NONE SPECIFIED BY MANUFACTURER.
Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.
State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

=====
===== Ot

her Information =====

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.