

EHRlich J C CHEMICAL CO INC -- FUMITOXIN -- 6840-00-442-5698

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Product Identification  
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Product ID:FUMITOXIN

MSDS Date:11/01/1997

FSC:6840

NIIN:00-442-5698

MSDS Number: CHQJF

=== Responsible Party ===

Company Name:EHRlich J C CHEMICAL CO INC

Address:500 SPRING RIDGE DR

City:READING

State:PA

ZIP:19612-3848

Country:US

Info Phone Num:610-372-9700 FAX: 610-378-9744

Emergency Phone Num:610-37

2-9700 FAX: 610-378-9744

CAGE:8C885

=== Contractor Identification ===

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Composition/Information on Ingredients  
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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 Nam

e: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/W

ATER/ ACID MAY CAUSE CNS EFFECTS, POISONING,  
CYANOSIS, UNCONSCIOUSNESS & DEATH. INGES TION 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 BREATHIN G. SEVERE POISONING MAY CAUSE FLUI

D 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/Explo

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

Supplemental Safety and Health

THE DATA FOR THE PHYSICAL PROPERTIES ARE FOR THE ALUMINUM PHOSPHIDE,  
NOT FOR THE PRODUCT AS A WHOLE.

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

HCC:R2

NRC/State Lic Num:NOT RELEVANT

VANT  
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. GARLIC OR DECAYING FISH ODOR.

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

Stability Indicator/Materials to Avoid:YES  
WATER, STRONG OXIDIZING AGENTS, ACIDS  
Stability 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.

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