

ZOECON INDUSTRIES INC DIVISION OF ZOECON CORP -- SAFROTIN EMULSIFIABLE
CONCENTARTE INSECTICI -- 6840-01-318-7415

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

Product ID:SAFROTIN EMULSIFIABLE CONCENTARTE INSECTICI

MSDS Date:12/01/1992

FSC:6840

NIIN:01-318-7415

MSDS Number: BPZWS

=== Responsible Party ===

Company Name:ZOECON INDUSTRIES INC DIVISION OF ZOECON CORP

Address:12200 DENTON DR

City:DALLAS

State:TX

ZIP:75234-7239

Country:US

Info Phone Num:214-243-2321

Emergency Phone Num:214-243-2321

CAGE:51112

=== Contractor Identification ===

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:ZOECON CORP

Address:12200 DENTON DR

Box:City:DALLAS

State:TX

ZIP:75234

Country:US

Phone:214-243-2321

CAGE:51112

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

Ing

red Name:HYDROTREATED LIGHT PETROLEUM DISTILLATE (C12-C15
ISOPARAFFINIC HYDROCARBON)
CAS:64742-47-8
Other REC Limits:300 PPM (EXXON)
OSHA PEL:100 PPM
ACGIH TLV:100 PPM

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)
CAS:67-56-1
RTECS #:PC1400000
Other REC Limits:S,250 PPM/310 MG/M3
OSHA PEL:S,200PPM/250STEL
ACGIH TLV:S,200PPM/250STEL; 93
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:CROTONIC ACID,3-HYDROXY-,ISOPROPYL ESTER/PROPETAMPHOS
CAS:31218-83-4
RTECS #:GQ4750000
Other REC L
imits:1 MG/M3 (ZOECON)

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS 65.7 MG/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE- ACTIVE INGREDIENT IS A
CHOLINESTERASE INHIBITOR. IF INGESTED, MAY CAUSE SWEATING,
SALIVATION, NAUSEA, VOMITING, DIARRHEA, CYANOSIS & ATAXIA. IF
INHALED, MAY CAUSE TIGHTNESS IN CHEST. CONTACT WI
TH EYES MAY CAUSE
PIN-POINT PUPILS & TEARING. SKIN CONTACT MAY CAUSE EDEMA. CHRONIC-
NONE KNOWN.
Explanation of Carcinogenicity:THIS COMPOUND CONTAINS NO INGREDIENTS AT
CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT
CARCINOGENS.
Effects of Overexposure:ACTIVE INGREDIENT IS A CHOLINESTERASE
INHIBITOR. IF INGESTED, MAY CAUSE SWEATING, SALIVATION, NAUSEA,
VOMITING, DIARRHEA, CYANOSIS & ATAXIA. IF INHALED, MAY CAUSE
TIGHTNESS IN CHEST. CONTACT WITH EYES

MAY CAUSE PIN-POINT PUPILS &
TEARING. SKIN CONTACT MAY CAUSE EDEMA.

Medical Cond Aggravated by Exposure: PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid: CALL A DOCTOR IF SYMPTOMS PERSIST. 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 CONSCIOUS, DRINK 1-2 GLASSES OF WATER & INDUCE
VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.
ATROPINE IS ANTIDOTAL. IF SYMPTOMS APPEAR, ATROPINE I.V. IS
SUGGESTED TO EFFECT.

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

Flash Point Method: TCC
Flash Point: 105F, 41C
Extinguishing Media: WATER FOG, CARBON DIOXIDE, FOAM. WATER SPRAY MAY BE
USED TO KEEP FIRE EXPOSED CONTAINERS COOL AND PROTECT PERSONNELS.
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: CONTAINERS MAY RUPTURE DUE TO VAPOR
PRESSURE BUILDUP.

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

Spill Release Procedures: WEAR PROTECTIVE DEVICE. ELIMINATE SOURCES OF
IGNITION. VENTILATE AREA. AVOID CONTACT. COVER WITH CLAY OR
SAWDUST
. SWEEP UP INTO A CONTAINER. WASH SPILL AREA WITH A STRONG
DETERGENT AND CLEAN-UP. PREVENT ENTERING WATERWAYS/SEWERS.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: STORAGE- STORE IN A COOL, VENTILATED
AREA AWAY FROM STRONG OXIDIZERS. KEEP CONTAINER TIGHTLY CLOSED.
Other Precautions: WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH
EYES, SKIN AND CLOTHING. KEEP OUT OF REACH OF

CHILDREN. REMOVE
CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE.

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

Respiratory Protection:NONE UNDER NORMAL USE. IF PROLONGED EXPOSURE AND
LARGE QUANTITIES ARE INVOLVED, A NIOSH-APPROVED RESPIRATOR WITH A
"PESTICIDE" CARTRIDGE IS SUGGESTED.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF)
VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NATURAL RUBBER, NITRILE

Eye Protection

:SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND
IMPERVIOUS CLOTHING

Work Hygienic Practices:PRACTICE GOOD HYGIENIC PROCEDURE. WASH
THOROUGHLY BEFORE EATING OR DRINKING. USE WITH ADEQUATE
VENTILATION.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME
NSN.

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

HCC:T5

Spec Gravity:0.996

Solubility in Water:WHITE EMULSION

Appearance

and Odor:LIGHT YELLOW TO LIGHT BROWNISH LIQUID

Percent Volatiles by Volume: