

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:T

X

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 =====

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ingred 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

Limits: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 W

I 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 EY

ES 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: RE  
MOVE 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  
SAWDU

ST. 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 LAUNDRER 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 Protecti

on: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

Appearanc

e and Odor:LIGHT YELLOW TO LIGHT BROWNISH LIQUID

Percent Volatiles by Volume: