

COGNIS CORP -- AGNIQUE MMF MOSQUITO LARVICIDE & PUPICIDE -- 6840-01-467-1029

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

Product ID:AGNIQUE MMF MOSQUITO LARVICIDE & PUPICIDE

MSDS Date:01/02/2000

FSC:6840

NIIN:01-467-1029

Status Code:A

MSDS Number: CLHRX

=== Responsible Party ===

Company Name:COGNIS CORP

Address:5051 ESTECREEK DR

City:CINCINNATI

State:OH

ZIP:45232

Country:US

Info Phone Num:513-482-2814; 80

0-543-7370

Emergency Phone Num:800-424-9300

Preparer's Name:ROBERT E. BORGERDING

Chemtec Ind/Phone:(800)424-9300

CAGE:0JS01

=== Contractor Identification ===

Company Name:COGNIS CORP

Address:5051 ESTECREEK DR

Box:City:CINCINNATI

State:OH

ZIP:45232

Country:US

Phone:513-482-2814; 800-543-7370

Contract Num:SP0450-01-M-ZE05

CAGE:0JS01

Company Name:COGNIS CORP

Address:5051 ESTECREEK DR

Box:City:CINCINNATI

State:OH

ZIP:45232

Country:US

Phone:513-482-2814; 800-543-7370

Contract Num:SP0450-01-M-ZE08

CA

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

Ingred Name:POE (2) ISOSTEARYL ALCOHOL
CAS:52292-17-8
RTECS #:TR1581600
= Wt:100.

Ingred Name:1,4-DIOXANE
CAS:123-91-1
RTECS #:JG8225000
Fraction by Wt: < 0.0020%
OSHA PEL:25 PPM SKIN
ACGIH TLV:20 PPM SKIN
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture:ORAL, RAT, LD50:>20 G/KG.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
H

Health Hazards Acute and Chronic:EMERGENCY OVERVIEW: WARNING ! MAY
CAUSE MINOR EYE IRRITATION ON PROLONGED OR REPEATED CONTACT. CLEAR,
VISCIOUS LIGHT STRAW COLORED LIQUID. SKIN CONTACT: THIS MATERIAL IS
NOT CLASSIFIED AS A SKIN IRRITANT. EYE CONTACT: MAY CAUSE MINOR
EYE IRRITATION ON PROLONGED OR REPEATED CONTACT. INHALATION:
CONSIDERED TO BE NON-TOXIC BY ANIMAL TESTS. INGESTION: CONSIDERED
TO BE NON-TOXIC BY ANIMAL TESTS. CHRONIC EFFECTS: NONE KNOWN.
OTHER HEALTH EFFECTS: NONE KNOWN.
Effects of Overexposure:SKIN CONTACT: IRRITATION. EYE CONTACT: MONOR
IRRITATION. INHALATION: NON-TOXIC.INGESTION: NON-TOXIC.

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

First Aid:SKIN CONTACT: WASH AFFECTED AREA WITH SOAP AND WATER. EYE
CONTACT: FLUSH EYES WITH PLENTY OF COOL WATER FOR AT LEAST 15
MINUTES. DO NOT LET VICTIM RUB EYES. GET MEDICAL ATTENTION IF
IRRITATION DEVELOPS. INHALATION: IF OVEREXPOSURE TO VAPOR OR MIST
OCCURS,

REMOVE VICTIM TO FRESH AIR. IF VICTIM HAS STOPPED BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. GET MEDICAL ATTENTION IMMEDIATELY. INGESTION: IF SWALLOWED, GET MEDICAL ASSISTANCE. DO NOT INDUCE VOMITING.

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

Flash Point Method:COC

Flash Point:>260.C, 500.F

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER SPRAY.

WATER MAY BE INEFFECTIVE BUT SHOULD BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:IF A SPILL OR LEAK HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE. PERFORM ONLY THOSE FIRE FIGHTING PROCEDURES FOR WHICH YOU HAVE BEEN TRAINED.

Unusual Fire/Explosion Hazard:FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS IN THE POSITIVE PRESSURE MODE WITH A FULL FACEPIECE WHEN THERE IS A POSSIBILITY OF EXPOSURE TO SMOKE, FUMES, OR HAZARDOUS DECOMPOSITION PRODUCTS. DECOMPOSITION MAY PRODUCE CARBON MONOXIDE AND CARBON DIOXIDE.

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

Spill Release Procedures:ADD DRY MATERIAL TO ABSORB SPILL (IF LARGE SPILL, DIKE TO CONTAIN). USING RECOMMENDED PROTECTIVE EQUIPMENT, PICK UP BULK OF SPILL AND CONTAINERIZE FOR RECOVERY OR DISPOSAL. FLUSH AREA WITH WATER TO REMOVE RESIDUES.

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

Handling and Storage Precautions:EPA NUMBERS: 2302-14, 53263-28. CONTAINER DISPOSAL: TRIPLE RINSE THEN OFFER FOR RECYCLING OR RECONDITIONING, OR PUNCTURE AND DISPOSE IN A SANITARY LANDFILL OR BY OTHER PROCEDURES APPROVED BY STATE OR LOCAL AUTHORITIES.

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

Respiratory Protection:NOT APPLICABLE WITH ADEQUATE VENTILATION.
Ventilation:GENERAL VENTILATION.
Protective Glove

s:RUBBER GLOVES.

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS.

Supplemental Safety and Health

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

HCC:V5

Boiling Pt:=320.C, 608.F

Melt/Freeze Pt:=-7.C, 19.4F

M.P/F.P Text:-3C TO -7C

Vapor Pres:N/D

Vapor Density:> AIR

Spec Gravity:0.906

pH:N/D

Evaporation Rate & Reference:NOT DETERMINED

Solubility in Water:INSOLUBLE.

Appearance and Odor:CLEAR, VISCOUS, LIGHT STRAW COLORED LIQUID. MILD ODOR.

Percent Volatiles by Volume:N

/D

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, BASES, AND OXIDIZING AGENTS.

Stability Condition to Avoid:NORMALLY STABLE. AVOID CONTACT WITH HEAT, SPARKS, FLAME AND SOURCES OF IGNITION.

Hazardous Decomposition Products:DECOMPOSITION PRODUCES CARBON MONOXIDE AND CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicologic

al Information:EPA NUMBERS: 2302-14, 53263-28. ORAL, RAT,

LD50: >2 G/KG; INHALATION, RABBIT, LC50:>29 MG/L; DERMAL, RABBIT,

LD50:>2 G/KG. THIS MATERIAL WAS FOUND TO BE NON-IRRITATING TO HUMAN

SKIN IN A HUMAN PATCH TEST. THIS MATERIL WAS MILDLY IRRITATING TO

RABBIT EYES, AND THE EFFECTS WERE REVERSIBLE IN 7 DAYS.

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

Ecological:EPA NUMBERS: 2302-14, 53263-28. ECOLOGICAL TOXICITY: AVIAN

ACUTE ORAL LD50 (MALL

ARD DUCK): > 2,000 MG/KG. AVIAN DIETARY LC50
(BOBWHITE QUAIL): > 5,000 MG/KG. FISH ACUTE LC50 (BLUEGILL): 290
MG/KG. RA INBOW TROUT: 98 MG/KG. AQUATIC INVERTEBRATE, LC50
(DAPHNIA): 1.9 MG/L. ENVIRONMENTAL FATE: AVERAGE PERSISTENCE IN THE
ENVIRONMENT UNDER STANDARD USE CONDITIONS IS 5 - 14 DAYS AT
RECOMMENDED DOSAGE RATES.

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

Waste Disposal Methods: ALL RECOVERED MATERIAL SHOULD BE PACKAGED,
LABELED, TRANSPORTED, AND DISPOSED OR RECLAIMED IN CONFORMANCE WITH
APPLICABLE LAWS AND REGULATIONS AND IN CONFORMANCE WITH GOOD
ENGINEERING PRACTICES. AVOID LANDFILLING OF LIQUIDS. RECLAIM WHERE
POSSIBLE.

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

Transport Information: PROPER SHIPPING NAME: NOT REGULATED BY THIS MODE
OF TRANSPORTATION; UN/NA: N/A; DOT HAZARD CLASS: NOT DETERMINED; DOT
HAZARDOUS MATERIALS: NOT APPLICABLE; EMERGENCY RESPONSE GUIDE
NUMBER: NOT DETERMINED; PACKAGING GROUP: NOT DETERMINED.

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

SARA Title III Information: SARA 311/312 HAZARD CATEGORIES: ACUTE. SARA
313 TOXIC CHEMICALS: NONE. SARA 302 EXTREMELY HAZARDOUS SUBSTANCES:
NONE. CERCLA HAZARDOUS SUBSTANCES: 1,4-DIOXANE (123-91-1): <
0.0020%

Federal Regulatory Information: EPA NUMBERS: 2302-14, 53263-28. TSCA
INVENTORY STATUS: THIS PRODUCT AND/OR ALL OF ITS COMPONENTS ARE
INCLUDED ON THE TSCA INVENTORY OF CHEMICAL SUBSTANCES. TSCA 12(B)
COMPONENTS: NONE.

State Regulatory Information: CALIFORNIA PROPOSITION 65 COMPONENTS:
WARNING ! THIS PRODUCT CONTAINS A CHEMICAL (OR CHEMICALS) KNOWN TO
THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS, AND/OR
OTHER REPRODUCTIVE HARM. 1,4-DIOXANE (123-91-1) < 0.0020 %.

===== Other 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.