

COGNIS CORPORATION

Material Safety Data Sheet

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Revised: 7/25/06

PRODUCT NAME: Agnique MMF G Mosquito Larvicide and Pupicide

PRODUCT DESCRIPTION: Mosquito Larvicide

CASRN: Proprietary Blend

MANUFACTURER: Cognis Corporation

4900 Este Avenue

Cincinnati, OH 45232

Phone: 800-543-7370

Fax: 513-482-5515

EMERGENCY NUMBERS:

CHEMTREC: 800-424-9300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL | CONCENTRATION(Wt.%) | EXPOSURE LIMITS |
|---|---------------------|------------------|
| Poly (oxy-1,2-ethanediyl), alpha-(C16-20 branched and linear alkyl)-w-hydroxy | | |
| CASRN 881022-11-3 | 32.0 | None Established |
| Trade Secret Components | 68.0 | |

SECTION 3: HAZARDS IDENTIFICATION

***** Emergency *****
***** Overview *****

CAUTION!

May cause minor eye irritation on prolonged or repeated contact.
Inhalation of dust may cause irritation of the respiratory system.

Dry, Free Flowing Tan Granules

SKIN CONTACT:

This material is not classified as a skin irritant.

EYE CONTACT:

May cause minor eye irritation on prolonged or repeated contact.

INHALATION:

Inhalation of dust may cause irritation of the respiratory system.

INGESTION:

May be harmful if swallowed in large quantities.

CHRONIC EFFECTS:

None Known.

OTHER HEALTH EFFECTS:

None known.

PRIMARY ROUTES OF EXPOSURE: Skin, Oral, Inhalation

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:

Wash affected area with soap and water.

EYE CONTACT:

Immediately 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, immediately 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.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: >200 Deg F ()

LFL: Not Determined

UFL: Not Determined

AUTOIGNITION TEMPERATURE Not Determined

RECOMMENDED EXTINGUISHING MEDIA:

Carbon dioxide, Dry chemical, Foam, Water spray

SPECIAL FIRE FIGHTING PROCEDURES:

Use water spray, dry chemical, foam or carbon dioxide. Water may be ineffective but should be used to keep fire exposed containers cool. 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.

UNUSUAL FIRE OR EXPLOSION HAZARDS:

Perform only those fire fighting procedures for which you have been trained. 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.

HAZARDOUS COMBUSTION PRODUCTS:

Decomposition may produce carbon monoxide and carbon dioxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

STEPS TO TAKE IN CASE OF SPILL OR LEAK:

Pick up spilled material and containerize. Vacuum area or flush with water to remove residues.

SECTION 7: HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Avoid breathing mist, vapor or dust. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:

Safety glasses with side shields

SKIN PROTECTION:

Rubber gloves

RESPIRATORY PROTECTION:

Nuisance dust mask if use causes dusting.

ENGINEERING CONTROLS:

Local exhaust

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

APPEARANCE: Dry, Free Flowing Tan Granules

ODOR: Mild

ODOR THRESHOLD: Not Determined

pH: Not Determined

MELTING POINT: Not Determined

BOILING POINT: Not Determined

SPECIFIC GRAVITY: Not Determined

SOLUBILITY IN WATER: Insoluble

PERCENT VOLATILES(by Wt.): Not Determined

VAPOR DENSITY: Heavier than Air

VAPOR PRESSURE: Not Determined

EVAPORATION RATE(N-BUTYL ACETATE=1): Not Determined

VOC CONTENT(EPA Method 24): Not Determined

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Normally Stable

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBLE MATERIALS:
Strong acids, bases and oxidizing agents.

CONDITIONS TO AVOID:
Avoid contact with heat, sparks, flame and all sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS:
Decomposition produces carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

| TYPE OF STUDY | RESULTS | SPECIES |
|---------------|----------|---------|
| ORAL LD(50) | >20 g/kg | Rat |

The toxicological information provided is based on results derived from a similar product.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL TOXICITY:
Avian acute oral LD50 (Mallard Duck): >2,000 mg/kg
Avian dietary LC50 (Bobwhite Quail): >5,000 mg/kg
Fish acute LC50 (Bluegill): 290 mg/kg
Rainbow Trout: 98 mg/kg
Aquatic invertebrate LC50 (Daphnia): 1.9 mg/L

The ecotoxicological information provided is based on results derived from a similar product.

ENVIRONMENTAL FATE:
Not Determined

SECTION 13: DISPOSAL CONSIDERATIONS

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.

SECTION 14: TRANSPORTATION INFORMATION

For information, please contact Regulatory Affairs at
513/482-5022.

SECTION 15: REGULATORY INFORMATION

TSCA INVENTORY STATUS:

This product and/or all of its components are either included on or
exempt from the TSCA Inventory of Chemical Substances.

TSCA 12(b) COMPONENTS:

None

SARA 311/312 HAZARD CATEGORIES: None

SARA 313 TOXIC CHEMICALS:

None

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES:

None

CERCLA HAZARDOUS SUBSTANCES:

None

CALIFORNIA PROPOSITION 65 COMPONENTS:

Trace amounts (<5 ppm) ethylene oxide, acetaldehyde and 1,4-dioxane

SECTION 16: OTHER INFORMATION

HMIS RATINGS: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

NFPA RATINGS: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0 OTHER: None

THE FOLLOWING WARNING INFORMATION IS PROVIDED ON THE LABEL FOR THIS PRODUCT:

CAUTION!

May cause minor eye irritation on prolonged or repeated contact.
Inhalation of dust may cause irritation of the respiratory system.

FIRST AID - INHALATION:

If overexposure to vapor or mist occurs, immediately remove victim to
fresh air. If victim has stopped breathing give artificial respiration,
preferably mouth to mouth. Get medical attention immediately.

FIRST AID - SKIN CONTACT:

Wash affected area with soap and water.

FIRST AID - EYE CONTACT:

Immediately flush eyes with plenty of cool water for at least 15
minutes. Do not let victim rub eyes. Get medical attention if
irritation develops.

FIRST AID - INGESTION:

If swallowed, get medical assistance. Do not induce vomiting.

HANDLING AND STORAGE:

Avoid contact with eyes, skin and clothing. Avoid breathing mist, vapor or dust. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

ABBREVIATIONS USED:

ND or N/D = Not Determined
NA or N/A = Not Applicable or Not Available
NE or N/E = Not Established
N/AP = Not Applicable

All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by Cognis Corporation as to the effects of such use, the results obtained, or the safety and toxicity of the product nor does Cognis Corporation assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

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