

Material Safety Data Sheet

AGNIQUE MMF

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SDS no.: 277981
Revision: 12/16/2009
printing date: 02/13/2011

1. Chemical product and company identification

Product name:
AGNIQUE MMF

Refer to the separate packaging label for additional product information, precautionary statements and directions for use.

Supplier
Cognis Corporation
5051 Estecreek Drive
Cincinnati, OH 45232-1446
USA
Phone: +1 (866) 910-0598
Fax-no.: +1 (513) 482-3576

Emergency Information Chemtrec:
+1-800-424-9300

2. Composition / information on ingredients

General chemical description:
Mosquito Larvicide and Pupicide

| COMPONENT: | CAS-No. | CONCENTRATION (Wt. %): |
|--|-------------|------------------------|
| Poly(oxy-1,2-ethanediyl), .alpha.-(C16-20 branched and linear alkyl)-.omega.-hydroxy (2EO) | 881022-11-3 | 100 |

3. Hazards identification

EMERGENCY OVERVIEW

Caution: Causes eye irritation.

State:
liquid

Odor:
little intrinsic odour

Color(s):
light yellow

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Routes of entry:

Inhalation, Skin contact, Ingestion

Potential Health Acute Effects:

Inhalation:

Considered to be non-toxic by animal tests.

Skin contact:

not irritating

Eye contact:

May cause eye irritation.

Ingestion:

Similar materials are not considered toxic.

Potential Chronic Health Effects:

None known

4. First aid measures

After inhalation:

Supply of fresh air, mouth-to-mouth resuscitation if necessary, keep warm. If adverse health effects persist seek medical advice.

After skin contact:

Wash thoroughly with soap and water.

After eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Do not rub eyes; mechanical action may cause corneal damage.

If adverse health effects develop seek medical attention.

After ingestion:

Do not induce vomiting, seek medical advice immediately.

5. Fire fighting measures

Flash point:

365 °F (185 °C)

no information

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Suitable extinguishing media:

Carbon dioxide.
Dry Chemical
Foam.
Water Spray

Special protection equipment for firefighters:

Wear self-contained breathing apparatus.
Wear full protective clothing.

Hazardous combustion products:

Carbon dioxide., carbon monoxide

Additional fire fighting advice:

In case of fire, keep containers cool with water spray.
Water spray may be used to flush spills away from fire.

6. Accidental release measures

Process for cleaning and take-up:

Using adequate protective equipment, add dry material to absorb spill (if large spill, first dike to contain).
Pick up spilled material and containerize for recovery or disposal.
Flush area with water to remove residues.

7. Handling and storage

Storage:

Storage conditions to keep:

Ensure that storage and workrooms are adequately ventilated.
Keep container tightly sealed.

8. Exposure controls / personal protection

Indication for system design:

Ensure adequate ventilation.

Personal protection measures:

Respiratory protection:

Not applicable with adequate ventilation.

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Hand protection:

Protective gloves made of rubber.

Eye protection:

Safety glasses with side shields.

9. Physical and chemical properties

General description:

| | |
|-----------|------------------------|
| State: | liquid |
| Odor: | little intrinsic odour |
| Color(s): | light yellow |

Designation

pH-value; Conc.: 1 % product

Value

6.9

Method

no information

Boiling point

> 100 °C (> 212°F)

no information

Melting point

< 25 °C (< 77°F)

no information

Vapor density:

Heavier than air

no method

Specific gravity

0.890

no information

Solubility in Water

Slight (0.1 to 1 %)

no information

10. Stability and reactivity

Stability:

Dangerous decomposition products:

None if used for intended purpose.

Decomposition advices:

No decomposition if used according to specifications.

Reactivity:

Materials to avoid:

Strong Acids

Bases

Oxidizers

Hazardous polymerization:

Will not occur

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11. Toxicological information

General toxicological information:

No toxicity information available or testing conducted on this product.
Any health or toxicological information included in Section 3 was based on data associated with the components or an analogous product.

12. Ecological information

General ecological information:

no data available

Advice of environmental fate:

Not determined.

13. Disposal considerations

Waste disposal of product:

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 liquids.
Reclaim where possible.

Waste disposal of packaging not cleansed:

Collection and delivery to recycling enterprise or other registered elimination institution.

14. Transport information

General information:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG.

The transport information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

15. Regulatory information

TSCA Inventory Status:

This product is excluded pursuant to Section 3(2)(B)(ii) of the Toxic Substances



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Control Act [FIFRA Exclusion].

SARA 311/312 Hazard Categories: Immediate Health

TSCA 12(b) Components: none

SARA 313 Toxic Chemicals: none

SARA 302 Extremely Hazardous Substances: US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA)
SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

ETHYLENE OXIDE CAS: 75-21-8 <10PPM

CERCLA Hazardous Chemicals: US. EPA CERCLA Hazardous Substances (40 CFR 302)

ETHYLENE OXIDE CAS: 75-21-8 <10PPM
1,4-DIETHYLENEOXIDE CAS: 123-91-1 <100PPM

California Proposition 65: This product contains the following chemical/s known to the State of California to cause cancer and/or birth defects or other reproductive harm.

ETHYLENE OXIDE CAS: 75-21-8 <10PPM
1,4-DIOXANE CAS: 123-91-1 <100PPM

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16. Other information

| NFPA Rating (US) | Value |
|------------------|-------|
| Health | 2 |
| Fire | 1 |
| Reactivity | 0 |
| Special Hazard | |

| HMIS Rating (US) | Value |
|------------------|-------|
| Health | 2 |
| Flammability | 1 |
| Reactivity | 0 |

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 being made as to the effects of such use, the results obtained, or the safety and toxicity of the product nor is their any assumed 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.