

Material Safety Data Sheet

Page 1 of 9

AGNIQUE MMF G

SDS no. : 292753

Revision: 03/19/2009

printing date: 03/19/2009

1. Chemical product and company identification

Product name:

AGNIQUE MMF G

Supplier

Cognis Corporation
5051 Estecreek Drive
Cincinnati, OH 45232-1446
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 & Pupicide in Pellet Form

| <u>COMPONENT:</u> | <u>CAS-No.</u> | <u>CONCENTRATION (Wt. %):</u> |
|--|----------------|-------------------------------|
| Proprietary component(s) | | 68 |
| Poly(oxy-1,2-ethanediyl), .alpha.-(C16-20 branched and linear alkyl)-.omega.-hydroxy | 881022-11-3 | 32 |

3. Hazards identification

EMERGENCY OVERVIEW

Low hazard for usual industrial or commercial handling.

Delivery state:

pellets

State:

solid

Odor:

almost odourless

Color(s):

light brown

Material Safety Data Sheet

Page 2 of 9

SDS no. : 292753

Revision: 03/19/2009

printing date: 03/19/2009

AGNIQUE MMF G

Routes of entry:

Skin contact, Eye contact

Potential Health Acute Effects:

Inhalation:

May cause respiratory irritation.

Skin contact:

not irritating

Eye contact:

May cause eye irritation.

Ingestion:

May be harmful if swallowed in large quantities.

Potential Chronic Health Effects:

None known

4. First aid measures

After inhalation:

Remove person from dust-contaminated zone, seek medical advice if necessary.

After skin contact:

Wash thoroughly with soap and water.

After eye contact:

Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

After ingestion:

Do not induce vomiting.
Seek medical advice immediately and show this container or label.

5. Fire fighting measures

Flash point:

365 °F (185.00 °C)

Autoignition temperature:

Not determined

Material Safety Data Sheet

Page 3 of 9

SDS no. : 292753

Revision: 03/19/2009

printing date: 03/19/2009

AGNIQUE MMF G

Flammable/Explosive limits:

Lower limits:

No data available.

Upper limits:

No data available.

Suitable extinguishing media:

water spray jet

Carbon dioxide.

Foam.

Special protection equipment for firefighters:

Wear self-contained breathing apparatus.

Wear full protective clothing.

Unusual fire or explosion hazards:

Avoid creating explosive concentrations of dust.

Hazardous combustion products:

Carbon dioxide., Sulphur oxides

6. Accidental release measures

General information:

Avoid open flames and sources of ignition.

Clean up spills immediately.

Personal precautions:

dust mask

Avoid dust formation.

Process for cleaning and take-up:

Pick up spilled material and containerize for recovery or disposal.

Vacuum or sweep area to remove residues.

7. Handling and storage

Handling:

Handling advice:

Avoid dust formation.

Ensure adequate ventilation.

Avoid naked flames, sparking and sources of ignition.

Material Safety Data Sheet

Page 4 of 9

SDS no. : 292753

Revision: 03/19/2009

printing date: 03/19/2009

AGNIQUE MMF G

Storage:

General storage advice:

Avoid container damage while handling and storing.

Store only in the original container.

8. Exposure controls / personal protection

Indication for system design:

Ensure adequate ventilation.

Material Safety Data Sheet

Page 5 of 9

SDS no. : 292753

AGNIQUE MMF G

Revision: 03/19/2009

printing date: 03/19/2009

Components with specific control parameters for workplace:

Valid for USA

| Name on list | Basis | Type | Value | Category | Remarks |
|---|---------|----------------------------------|----------------------|----------|---|
| PARTICLES (INSOLUBLE OR POORLY SOLUBLE) NOT OTHERWISE SPECIFIED, INHALABLE PARTICLES | ACGIH | Time Weighted Average (TWA). | 10 mg/m ³ | | |
| PARTICLES (INSOLUBLE OR POORLY SOLUBLE) NOT OTHERWISE SPECIFIED, RESPIRABLE PARTICLES | ACGIH | Time Weighted Average (TWA). | 3 mg/m ³ | | |
| PARTICULATES NOT OTHERWISE REGULATED RESPIRABLE FRACTION | OSHA Z1 | Permissible Exposure Limit (PEL) | 5 mg/m ³ | | All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3. |
| PARTICULATES NOT OTHERWISE REGULATED TOTAL DUST | OSHA Z1 | Permissible Exposure Limit (PEL) | 15 mg/m ³ | | All inert or nuisance dusts, whether mineral, inorganic, or organic, not listed specifically by substance name are covered by the Particulates Not Otherwise Regulated (PNOR) limit which is the same as the inert or nuisance dust limit of Table Z-3. |

Material Safety Data Sheet

Page 6 of 9

SDS no. : 292753

Revision: 03/19/2009

printing date: 03/19/2009

AGNIQUE MMF G

| | | | | | |
|---|-----------|--|----------------------|--|--|
| PARTICULATES NOT OTHERWISE REGULATED RESPIRABLE FRACTION | OSHA Z1A | Time Weighted Average (TWA). | 5 mg/m ³ | | |
| PARTICULATES NOT OTHERWISE REGULATED TOTAL DUST | OSHA Z1A | Time Weighted Average (TWA). | 15 mg/m ³ | | |
| INERT OR NUISANCE DUST, RESPIRABLE FRACTION | Z3 | Time Weighted Average (TWA). | 15 others | millions of particles per cubic foot of air. | |
| INERT OR NUISANCE DUST, TOTAL DUST | Z3 | Time Weighted Average (TWA). | 50 others | millions of particles per cubic foot of air. | |
| INERT OR NUISANCE DUST, RESPIRABLE FRACTION | Z3 | Time Weighted Average (TWA). | 5 mg/m ³ | | |
| INERT OR NUISANCE DUST, TOTAL DUST | Z3 | Time Weighted Average (TWA). | 15 mg/m ³ | | |
| PARTICULATES NOT OTHERWISE REGULATED, RESPIRABLE FRACTION | US CA OEL | Time Weighted Average (TWA) Permissible Exposure Limit (PEL): | 5 mg/m ³ | | |
| PARTICULATES NOT OTHERWISE REGULATED, TOTAL DUST | US CA OEL | Time Weighted Average (TWA) Permissible Exposure Limit (PEL): | 10 mg/m ³ | | |

Personal protection measures:

Respiratory protection:

Nuisance dust mask if use causes dusting.

Hand protection:

Appropriate chemical resistant gloves.

Eye protection:

Safety glasses with side shields.

Skin protection:

Wear suitable protective clothing.

9. Physical and chemical properties

General description:

| | |
|-----------------|------------------|
| Delivery state: | pellets |
| State: | solid |
| Odor: | almost odourless |
| Color(s): | light brown |

Designation

Solubility in Water

Value

Soluble

Method

no information

Material Safety Data Sheet

Page 7 of 9

SDS no. : 292753

AGNIQUE MMF G

Revision: 03/19/2009

printing date: 03/19/2009

10. Stability and reactivity

Stability:

Conditions to avoid:

Keep away from sources of ignition and naked flames.

Dangerous decomposition products:

Carbon dioxide.

Sulphur oxides

Decomposition advices:

No decomposition if used according to specifications.

Reactivity:

Materials to avoid:

Strong Acids

Strong Alkalies

Strong Oxidizers

Hazardous polymerization:

Will not occur

11. Toxicological information

General toxicological information:

No toxicity information available or testing conducted on this product.

12. Ecological information

General ecological information:

no data available

Material Safety Data Sheet

Page 8 of 9

AGNIQUE MMF G

SDS no. : 292753

Revision: 03/19/2009

printing date: 03/19/2009

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.

Reclaim where possible.

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 Control Act [FIFRA Exclusion]. | | |
| SARA 311/312 Hazard Categories: | None | | |
| 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 | 3PPM |
| CERCLA Hazardous Chemicals: | US. EPA CERCLA Hazardous Substances (40 CFR 302) | | |
| | ETHYLENE OXIDE | CAS: 75-21-8 | 3PPM |
| | 1,4-DIETHYLENEOXIDE | CAS: 123-91-1 | 33PPM |

Material Safety Data Sheet

Page 9 of 9

SDS no. : 292753

AGNIQUE MMF G

Revision: 03/19/2009

printing date: 03/19/2009

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 | 3PPM |
| 1,4-DIOXANE | CAS: 123-91-1 | 33PPM |

16. Other information

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

| HMS Rating (US) | Value |
|-----------------|-------|
| Health | 1 |
| 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.