



MATERIAL SAFETY DATA SHEET

MICROMITE® 80WGS

Version: 1.5
Date of Issue: 10/31/2008
Date printed: 11/01/2008

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : MICROMITE® 80WGS EPA Reg. No. 400-487

Chemical name: Diflubenzuron (Active)

Use of substance/preparation: Insect Growth Regulator

Supplier: Chemtura Corporation
199 Benson Road
Middlebury, CT 06749 USA

Emergency telephone number: CHEMTREC (24 hours) 800-424-9300, 703-527-3887
Chemtura Corporation Emergency Response (24 hours) 800-292-5898

Environmental, Health and Safety Department: 866-430-2775

Prepared by Product Safety Department Date of Issue: 10/31/2008
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION!

HARMFUL IF ABSORBED THROUGH SKIN.

MAY CAUSE EYE IRRITATION.

EXCESSIVE OVEREXPOSURE MAY CAUSE THE FOLLOWING EFFECTS:

MAY CAUSE LUNG DAMAGE.

- METHEMOGLOBINEMIA

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Diflubenzuron CAS# 35367-38-5	80
Kaolin clay CAS# 1332-58-7	< 5
Inerts CAS# -	< 15

Ingredients not precisely identified are non-hazardous and/or proprietary.



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4. FIRST AID MEASURES

Swallowing

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Eye contact

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

5. FIRE-FIGHTING MEASURES

Autoignition temperature: 610 °C

Hazardous combustion products

Irritating fumes.
Oxides of carbon.
Oxides of nitrogen.

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear.
Self-contained breathing apparatus.

Extinguishing media

Suitable:

- CO2
- dry powder
- foam
- water fog

Unsuitable: - water spray

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment.

Environmental precautions

Prevent from entering sewer system, surface water or soil., May be harmful to aquatic life.

Methods for cleaning up

Sweep up and collect in a suitable container for disposal.

7. HANDLING AND STORAGE



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HANDLING

Handling precautions

Avoid dust formation., Use only with adequate ventilation.

Other precautions

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

STORAGE

Storage requirements

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

<u>Component</u>	<u>Country</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Kaolin clay		ACGIH - respirable dust	2 mg/m3	8 hours

PERSONAL PROTECTION

Respiratory protection

In case of occurrence of dust respiratory protective equipment required.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

ENGINEERING CONTROLS

Ventilation

Local exhaust suggested to prevent dust buildup.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Granular solid
Color	Tan
Odor	Aromatic
Odor threshold	Not available

OTHER PROPERTIES

Melting point	Not available
pH	9.8
Bulk density	490 - 560 kg/m3
Solubility in water	Dispersible
Solubility in organic solvents	Not available
Flash point	Not available
Autoignition temperature	610 °C



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Percent volatiles Not available

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage and handling conditions.

Incompatible materials:

Oxidizing agents.
Strong acids.
Strong bases.

Hazardous combustion products:

Irritating fumes.
Oxides of carbon.
Oxides of nitrogen.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

Acute toxicity: LD50 Rat
Result: > 5,000 mg/kg

SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Rabbit
Result: > 2,000 mg/kg

INHALATION

Test results

Acute toxicity: LC50 - Rat
Result: > 5.12 mg/l
Exposure time: 4 h

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit
Remark: Not irritating

EYE CONTACT

Test results

Eye irritation: Species: Rabbit
Remark: May cause slight irritation.

SENSITIZATION

Test results:

Species: - Guinea pigs
Remark: Non sensitizing.

MUTAGENICITY

Assessment: Negative

CARCINOGENICITY

Assessment: Negative

TOXICITY TO REPRODUCTION/FERTILITY



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AssessmentNegative

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY

Acute toxicity fish: - LC50 - Zebra fish (Brachydanio rerio)
Result: > 81 mg/l
Exposure time: 96 h

Acute toxicity fish: - LC50 - Rainbow trout (Oncorhynchus mykiss)
Result: > 133 mg/l
Exposure time: 96 h

Aquatic toxicity to plants: - IC50 - Selenastrum capricornutum
Result: > 100 mg/l
Exposure time: 72 h

Acute toxicity to aquatic invertebrates: - EC50 - Water flea (Daphnia magna)
Result: 0.003 mg/l
Exposure time: 48 h

13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, and local regulations., Do not discharge to sewers and natural waters.

14. TRANSPORT INFORMATION

DOT Classification

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Diflubenzuron)
Class: 9
UN ID #: UN3077
Packing group: III
RQ:
marine pollutant: MARINE POLLUTANT

Not regulated if shipped or transported in containers less than 400 KG.

IMDG Classification

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
UN ID #: UN 3077
Packing group: III
Technical description (Diflubenzuron)
marine pollutant

ICAO/IATA Classification

Proper shipping name: Environmentally hazardous substance, solid, n.o.s.
Class: 9
UN ID #: UN 3077
Packing group: III
Technical description (Diflubenzuron)



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Only regulated by air Into, Out of or Within the United States in containers 881.8 lbs (400 kg) or greater.

15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
Diﬂubenzuron	35367-38-5	80.00

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Diﬂubenzuron	35367-38-5	
Kaolin clay	1332-58-7	
Inerts	-	

16. OTHER INFORMATION

RECOMMENDED USES AND RESTRICTIONS: NOTE TO END-USERS: This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.

STP	Standard temperature and pressure
W/W	Weight/Weight
1 (HMIS)	0 (HMIS)
2 (HMIS)	Slight hazard
3 (HMIS)	Moderate hazard
4 (HMIS)	Serious hazard
X (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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