1. PRODUCT AND COMPANY IDENTIFICATION

Product name: DIMILIN® 25W

Chemical name: Diflubenzuron

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
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: 06/25/2007
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
CAUTION!
MAY CAUSE EYE AND SKIN IRRITATION.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>% BY WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>25</td>
</tr>
<tr>
<td>CAS# 35367-38-5</td>
<td></td>
</tr>
<tr>
<td>Dispersant</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>CAS# Trade secret</td>
<td></td>
</tr>
<tr>
<td>Sodium alkyl sulfate</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>CAS# Trade secret</td>
<td></td>
</tr>
<tr>
<td>Filler</td>
<td>65.6</td>
</tr>
<tr>
<td>CAS# Trade secret</td>
<td></td>
</tr>
</tbody>
</table>

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

Flash point: 230 °F
Autoignition temperature: > 110 °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
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

<table>
<thead>
<tr>
<th>Component</th>
<th>Type</th>
<th>Value</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filler</td>
<td>ACGIH - respirable dust</td>
<td>2 mg/m³</td>
<td>8 hours</td>
</tr>
<tr>
<td></td>
<td>TWA, OSHA</td>
<td>2 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA - ACGIH</td>
<td>10.0 mg/m³</td>
<td>Total inhalable dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.0 mg/m³</td>
<td>Respirable fraction</td>
</tr>
</tbody>
</table>

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   Powder
Color            White to yellow
Odor             Practically odorless

OTHER PROPERTIES
Boiling point   Not applicable
Melting point   Not applicable
**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: > 10,000 mg/kg

**SKIN ABSORPTION**
Test results

Acute toxicity: LD50 - Rat
Result: > 20,000 mg/kg

**INHALATION**
Test results

Acute toxicity: LC50 - Rat
Result: > 3.52 mg/l
Exposure time: 4 h

**SKIN CONTACT**
Test results
Skin irritation: Species: Rabbit
                   Classification: Not irritating

EYE CONTACT
Test results
Eye irritation: Species: Rabbit
                   Result: Mild irritation

SENSITIZATION
Test results: Species: - Guinea pigs
                   Result: Non sensitizing.

MUTAGENICITY
Assessment: Negative

CARCINOGENICITY
Assessment: Negative

TOXICITY TO REPRODUCTION/FERTILITY
Assessment: Negative

12. ECOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Component ecotoxicology</th>
<th>LC50 - Rainbow trout (Oncorhynchus mykiss)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>Result: &gt; 106.4 mg/l</td>
</tr>
<tr>
<td>Acute toxicity fish</td>
<td>Exposure time: 96 h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component ecotoxicology</th>
<th>LC50 - Zebra fish (Brachydanio rerio)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>Result: &gt; 64.8 mg/l</td>
</tr>
<tr>
<td>Acute toxicity fish</td>
<td>Exposure time: 96 h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component ecotoxicology</th>
<th>IC50 - Selenastrum capricornutum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>Result: &gt; 80 mg/l</td>
</tr>
<tr>
<td>Aquatic toxicity to plants:</td>
<td>Exposure time: 72 h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component ecotoxicology</th>
<th>EC50 - Water flea (Daphnia magna)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>Result: 0.0026 mg/l</td>
</tr>
<tr>
<td>Acute toxicity to aquatic invertebrates:</td>
<td>Exposure time: 48 h</td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, and local regulations. Avoid 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
DIMILIN® 25W

Packing group: III

Not regulated by ground or rail if shipped or transported in container less than 400 kg.

IMDG Classification

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

ICAO Classification

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

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

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS#</th>
<th>Max weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>35367-38-5</td>
<td>25.00</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS#</th>
<th>Max weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>35367-38-5</td>
<td>25.00</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS#</th>
<th>New Jersey TS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diflubenzuron</td>
<td>35367-38-5</td>
<td></td>
</tr>
<tr>
<td>Dispersant</td>
<td>Trade secret</td>
<td>CHEM469</td>
</tr>
<tr>
<td>Sodium alkyl sulfate</td>
<td>Trade secret</td>
<td>CHEM470</td>
</tr>
<tr>
<td>Kaolin clay</td>
<td>1332-58-7</td>
<td>CROM400</td>
</tr>
</tbody>
</table>

EPA Hazard Categories (SARA 311, 312): None

California Proposition 65

**** NONE ****

CHEMICAL INVENTORY

Canada: PCP# 13816
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.

<table>
<thead>
<tr>
<th>STP</th>
<th>W/W</th>
<th>0 (HMIS)</th>
<th>1 (HMIS)</th>
<th>2 (HMIS)</th>
<th>3 (HMIS)</th>
<th>4 (HMIS)</th>
<th>X (HMIS)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Weight/Weight</td>
<td>Slight hazard</td>
<td>Moderate hazard</td>
<td>Serious hazard</td>
<td>Severe hazard</td>
<td>Personal protection rating to be supplied by user depending on use conditions</td>
<td></td>
</tr>
</tbody>
</table>

THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN CHEMTURA CORPORATION. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND OF THESE OPINIONS AND THE CONDITIONS OF USE OF THIS PRODUCT ARE NOT WITHIN THE CONTROL OF CHEMTURA CORPORATION, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCTS.