CONSERVE* SC TURF AND ORNAMENTAL INSECT CONTROL

1. PRODUCT AND COMPANY IDENTIFICATION:

PRODUCT: Conserve* SC Turf and Ornamental Insect Control

COMPANY IDENTIFICATION:
Dow AgroSciences
9330 Zionsville Road
Indianapolis, IN 46268-1189

2. COMPOSITION/INFORMATION ON INGREDIENTS:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spinosyn A</td>
<td>131929-60-7</td>
<td>11.6%</td>
</tr>
<tr>
<td>Spinosyn D</td>
<td>131929-63-0</td>
<td></td>
</tr>
<tr>
<td>Other Ingredients</td>
<td></td>
<td>88.4%</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>000057-55-6</td>
<td></td>
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</tbody>
</table>

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not ‘Hazardous’ per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

3. HAZARDOUS IDENTIFICATIONS:

EMERGENCY OVERVIEW
Off-white to tan liquid suspension with low odor. May cause slight eye irritation. The LD₅₀ for skin absorption in rabbits is >5000 mg/kg. The oral LD₅₀ for rats is >5000 mg/kg. Inhalation LC₅₀ for rats for 4 hours is >17 mg/L. Product is toxic to aquatic invertebrates and fish.

EMERGENCY PHONE NUMBER: 800-992-5994

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which could occur if this material is not handled in the recommended manner.

EYE: May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

SKIN: Essentially non-irritating to the skin. The LD₅₀ for skin absorption in rabbits is >5000 mg/kg. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. Did not cause allergic skin reactions when tested in guinea pigs.

INGESTION: Single dose oral toxicity is extremely low. The oral LD₅₀ for rats is >5000 mg/kg. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

INHALATION: A single prolonged (hours) inhalation exposure is not likely to cause adverse effects. The LC₅₀ for rats for 4 hours is >17 mg/L.

SYSTEMIC (OTHER TARGET ORGANS) EFFECTS: In animals, has been shown to cause vacuolation of cells in various tissues and changes in blood and serum biochemistry. Dose levels producing these effects were many times higher than any dose levels expected from exposure due to use.

CANCER INFORMATION: Spinosad did not cause cancer in laboratory animals.

TERATOLOGY (BIRTH DEFECTS): Spinosad did not cause birth defects in laboratory animals.

REPRODUCTIVE EFFECTS: In animal studies, spinosad has been shown not to interfere with reproduction.

4. FIRST AID:

EYE: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
MATERIAL SAFETY DATA SHEET

CONSERVE* SC TURF AND ORNAMENTAL INSECT CONTROL

Emergency Phone: 800-992-5994
Dow AgroSciences LLC
Indianapolis, IN 46268

Effective Date: 7/25/01
Product Code: 53557
MSDS: 005864

INGESTION: 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 ambulance, then give artificial respiration, preferably by mouth to mouth. Call a poison control center or doctor for further treatment advice.

NOTE TO PHYSICIAN: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

6. ACCIDENTAL RELEASE MEASURES:

ACTION TO TAKE FOR SPILLS/LEAKS: Use non-reactive absorbent to absorb small spills and collect for disposal. Report large spills to Dow AgroSciences 800-992-5994.

7. HANDLING AND STORAGE:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep out of reach of children. Avoid eye contact. Do not take internally. Wash thoroughly after handling and before eating, drinking, or smoking. Store product in original container. See product label for additional instructions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.

EXPOSURE GUIDELINES: Spinosad: Dow AgroSciences Industrial Hygiene Guide is 0.3 mg/M³, TWA. Propylene glycol: AIHA WEEL is 50 ppm total, 10 mg/M³ aerosol only.

ENGINEERING CONTROLS: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

EYE/FACE PROTECTION: Use of safety glasses is recommended.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed. See product label for additional instructions.

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline.

APPLICATORS AND ALL OTHER HANDLERS: Refer to the product label for personal protective clothing and equipment.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

BOILING POINT: 100°C (212°F) water
PHYSICAL STATE: Liquid suspension
ODOR: Low odor
DENSITY: 1.0374 g/ml
SOLUBILITY IN WATER: Dispersible
VAPOR PRESSURE: Similar to water
APPEARANCE: Off-white to light tan

10. STABILITY AND REACTIVITY:

STABILITY (CONDITIONS TO AVOID): Thermally stable at typical use temperatures. Some components of this product can decompose at elevated temperatures.

INCOMPATIBILITY (SPECIFIC MATERIALS TO AVOID): None known

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products depend upon temperature, air supply, and the presence of other materials.

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION:

MUTAGENICITY: For spinosad, in-vitro and animal mutagenicity studies were negative.

12. ECOLOGICAL INFORMATION:

ENVIRONMENTAL FATE:

MOVEMENT & PARTITIONING: Based largely or completely on information for spinosad and propylene glycol:
Bioconcentration potential is low (BCF <100 or Log Pow <3).

DEGRADATION AND PERSISTENCE: Based largely or completely on information for spinosad:
The photolysis half-life in soil is 9 days.
Under aerobic soil conditions the half-life is 9 to 17 days.
Based largely or completely on information for propylene glycol:
Material is readily biodegradable.
Passes OECD test(s) for ready biodegradability.

ECOTOXICOLOGY:
Based largely or completely on information for spinosad:
Material is highly toxic to aquatic invertebrates on an acute basis (LC50/EC50 is between 0.1 and 1 mg/L).
Material is moderately toxic to fish on an acute basis (LC50 is between 1 and 10 mg/L).
Material is practically non-toxic to birds on an acute basis (LC50 is >2000 mg/kg).
Material is practically non-toxic to birds on a dietary basis (LC50 is >5000 ppm).
Acute contact LD50 in honeybee (apis mellifera) is 0.05 µg/bee.
Based largely or completely on information for propylene glycol:
Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 is >100 mg/L in most sensitive species).

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHOD: Improper disposal of excess product, spray mixture, or rinsate is a violation of the Federal law. If these wastes cannot be disposed by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA regional office for guidance.

14. TRANSPORT INFORMATION:

This product is not regulated by DOT when shipped domestically by land.

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15. REGULATORY INFORMATION:

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer’s responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

U.S. REGULATIONS

SARA 313 INFORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA “Hazard Categories” promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard

STATE RIGHT-TO-KNOW: The following product components are cited on certain state lists as mentioned. Non-listed components may be shown in the composition section of the MSDS.

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>LIST</th>
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<tbody>
<tr>
<td>1,2-PROPANE DIOL</td>
<td>000057-55-6</td>
<td>PA1</td>
</tr>
</tbody>
</table>

PA1=Pennsylvania Hazardous Substance (present at greater than or equal to 1.0%).

COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (CERCLA, or SUPERFUND): To the best of our knowledge, this product contains no chemical subject to reporting under CERCLA.

The Information Herein Is Given In Good Faith, But No Warranty, Express or Implied, Is Made. Consult Dow AgroSciences for Further Information.