



Material Safety Data Sheet

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IDENTIFICATION

Trade Name: **DIMILIN® 25W**

CAS Number: **35367-38-5 (active)**

Chemical Name: **N-[[[(4-chlorophenyl) amino] carbonyl]-2,6-difluorobenzamide** 25%
 Inerts: 75%
 Common Name: **Diflubenzuron**

Chemical Family: **Amide**

SPECIAL REGULATORY HAZARDS

| Ingredient | CAS No. | Exposure Limit | OSHA (1910.1200) | EEC* |
|---------------|------------|----------------|----------------------|------|
| Diflubenzuron | 35387-38-5 | ND | Target organ effects | NA |

Hazard assessment based on available data.

Transportation: **NA**

PHYSICAL DATA

Appearance and Odor: **White powder, slight odor**

Solubility: **1% in water @ 20°C**

Specific Gravity (H₂O = 1): **ND**

Vapor Pressure @ 20°C: **NA**

Melting Point: **ND**

Vapor Density (Air = 1): **NA**

Boiling Point: **NA**

Volatility @ 70°F: **Low**

Other Data: **NA**

FIRE AND EXPLOSION HAZARD DATA

Flash Point: **ND**

Autoignition Temp: **ND**

Extinguishing Media: **Water spray, dry chemical**

Flammable Limits: **ND**

Special Fire Fighting Procedures: **Protect against inhalation of combustion products.**

Unusual Hazards: **May form explosive dust-air mixtures.**

REACTIVITY DATA

Stability: **Stable at ambient temperatures and pressures.**

Incompatibility: **None identified.**

Decomposition Products: **Oxides of carbon and nitrogen, HCl and HF under burning conditions.**

NA = Not Applicable ND = Not Determined *European Economic Community
 Uniroyal makes no representation or warranty with respect to the information in this Material Safety Data Sheet. The information is however, as of this date provided, true and accurate to the best of Uniroyal's knowledge. This list of information is not intended to be all inclusive. Actual conditions of use and handling may require considerations of information other than, or in addition to, that which is provided herein.

SPECIAL PROTECTION INFORMATION

Engineering Controls: Sufficient ventilation to minimize dust exposure. Protect closed handling systems against possible dust explosions. Avoid dust accumulation on building or equipment surfaces.

Personal Protection Equipment: Avoid all personal contact. Observe good personal hygiene. Impervious gloves, protective clothing and eye protection should be worn when handling. Launder clothing before reuse. In the absence of adequate ventilation, use NIOSH-certified pesticide cartridge respirator.

STORAGE, SPILLS AND DISPOSAL INFORMATION

Storage: Store away from sources of direct heat in a dry area. See package label for details.

Spills: Vacuum up to avoid creating dust. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined above.

Disposal: In accordance with any applicable local, state, or federal regulation regarding pesticidal waste.

Environmental Information: DIFLUBENZURON TECHNICAL
96 hr. LC50 values range from 38-165 ppm in a number of aquatic species. Redwing Blackbird Oral LD50 - 3.76 g/kg. These data indicate Dimilin is not toxic to fish and birds.

HEALTH RELATED DATA

Specific Hazard(s): Prolonged excessive exposure may cause methemoglobinemia. The very low acute toxicity suggests this is not a significant adverse effect. Chronic inhalation may cause lung damage. Individuals with respiratory problems should avoid inhalation exposure.

Primary Route(s) of Entry: Inhalation, skin absorption.

First Aid Procedures:
Eye contact: Flush with water for 15 minutes. Get medical attention.
Skin contact: Wash thoroughly with soap and water
Inhalation: Remove to fresh air.

Toxicology Information:
Oral toxicity: LD50 (rats) - > 40 g/kg
Dermal toxicity: LD50 (rabbits) - >18.8 g/kg
Irritation: eye (rabbits) - negative
skin (rabbits) - negative
Genotoxicity: Ames Salmonella - negative
Dominant lethal - negative
Balb/3T3 Cell transformation - negative

Chronic: The feeding to rats and mice of up to 10,000 ppm of Diflubenzuron for two years did not produce an increased tumor incidence. Methemoglobinemia was evident at a level above 18 ppm in mice and 156 ppm in rats. No effects were seen on reproduction in three-generation rat study at up to 160 ppm in the diet.

Teratogenicity: The feeding to pregnant rats and rabbits of up to 4 mg/kg/day Diflubenzuron during gestation did not produce teratogenic effects.

This product contains clay and or diatomaceous earth which contains crystalline silica (0.7%), a naturally occurring component of sand and inorganic soils. Crystalline silica has been classified as a 2A carcinogen by the International Agency for Research on Cancer (IARC).

DIMILIN®25W