

# ***Gliocladium virens* GL-21 (129000) Fact Sheet**

## **Summary**

This pesticide active ingredient is a naturally occurring fungus found throughout the United States. When the spores are mixed with soil or other growth media, they prevent plants from becoming infected with rots and various other fungal diseases. *Gliocladium virens* GL-21 is approved for consumer use as well as commercial use, at various indoor and outdoor sites. No risks to humans, pets, or the environment are expected from use of this active ingredient.

## **I. Description of the Active Ingredient**

**Name of Active Ingredient:** *Gliocladium virens* GL-21

**OPP Chemical Code:** 129000

*Gliocladium virens* GL-21 is a fungus that is found in many kinds of soil throughout the United States. As a pesticide ingredient, the spores of this fungus prevent harmful fungi from infecting roots and other parts of plants. *Gliocladium virens* GL-21 is used only to prevent disease. It does not control pathogenic fungi after a plant is already infected.

## **II. Use Sites, Target Pests, And Application Methods**

- **Use Sites:** Consumer and commercial uses, outdoors and indoors, including greenhouses. Crops include ornamentals, vegetables, cotton.
- **Target pests:** Fungi that cause "damping off" disease and root rot.
- **Application Methods:** Spores in granular form are mixed with soil or other growth media a day before or at the same time as seeding, planting, or transplanting. The initial application is usually sufficient, but additional applications are possible. The product can also be diluted with water and applied directly to soil or root area of plants.

## **III. Assessing Risks to Human Health**

No harmful effects to humans are expected from handling or breathing this fungus, or from eating treated food. To prevent possible eye irritation to workers, applicators are required to use protective eyewear.

## **IV. Assessing Risks to the Environment**

Environmental risks are not expected. *Gliocladium virens* GL-21 occurs naturally in many kinds of soil. Its use in pesticide products is not likely to increase exposure of wildlife, fish, or other organisms. The fungus does not persist in soil; a few weeks after being added to

soil, the levels return to the usual background levels. Body temperatures of mammals and birds are too high to support growth of *Gliocladium virens* GL-21.

## **V. Regulatory Information**

**Year active ingredient was initially registered (licensed for sale):** 1990

**Number of end products (as of November 2000):** 1

## **VI. Registrant Information**

**Thermo Trilogy Corporation**

9145 Guilford Road, Suite 175

Columbia, MD 21046

## **VII. Additional Contact Information**

[Ombudsman, Biopesticides and Pollution Prevention Division](#) (7511P)

Office of Pesticide Programs

Environmental Protection Agency

1200 Pennsylvania Avenue, NW

Washington, D.C. 20460