

Product Name: PFR-97TM 20% WDG
Emergency Information: Chem Tel (800) 255-3924
Outside North America Call Collect (813) 248-0585

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MATERIAL SAFETY DATA SHEET

Certis USA
9145 Guilford Road, Suite 175
Columbia, MD 21046

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME : PFR-97TM 20% WDG
PRODUCT CODE : 4775
CHEMICAL FAMILY : Microbial
CHEMICAL NAME : *Paecilomyces fumosoroseus* Apopka Strain 97 (ATCC 20874)
FORMULA : N/A

EMERGENCY TELEPHONE NUMBERS:

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2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>CAS #</u>	<u>WT.%</u>	<u>OSHA PEL</u>	<u>TLV's TWA</u>	<u>STEL</u>
<i>Paecilomyces fumosoroseus</i> Apopka Strain 97	N/A	20	N/A	N/A	N/A

3. HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW

This product is a yellow/brown granular material intended for use as a pesticide to control insects in greenhouses, nurseries, and interior crops. This product should pose no health concerns through normal use in accordance with label directions.

EPA Signal Word: CAUTION

Potential Health Effects

ROUTE(S) OF ENTRY : Eyes, skin, oral, inhalation

HUMAN EFFECTS AND

SYMPTOMS OF OVEREXPOSURE : None noted

ACUTE EYE CONTACT : May cause mild, reversible irritation.

CHRONIC EYE CONTACT : Chronic exposure not likely from normal use.

ACUTE SKIN CONTACT : No acute toxicity or pathogenicity. May cause mild, reversible skin irritation.

CHRONIC SKIN CONTACT : Chronic exposure not likely from normal use.

ACUTE INGESTION : No acute toxicity, infectivity, or pathogenicity.

CHRONIC INGESTION : Chronic exposure not likely from normal use.

ACUTE INHALATION : No acute toxicity, infectivity, or pathogenicity.

CHRONIC INHALATION : Chronic exposure not likely from normal use.



CARCINOGENICITY

NTP..... : N/A
IARC : N/A
OSHA : N/A

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE : None noted

4. FIRST AID MEASURES:

FIRST AID FOR EYES : Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention.
FIRST AID FOR SKIN : Wash with soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.
FIRST AID FOR INHALATION : Remove to fresh air. Seek medical attention if irritation persists.
FIRST AID FOR INGESTION : Ingestion, though not advised, should pose no danger. Seek medical attention if any adverse effects are noted.

5. FIRE FIGHTING MEASURES:

NFPA HAZARD CLASSIFICATION : HEALTH HAZARD 0 FIRE HAZARD 0
..... : REACTIVITY 0
EXTINGUISHING MEDIA : Dry chemical, carbon dioxide, alcohol or polymer foam
UNUSUAL FIRE AND EXPLOSION HAZARDS : None
SPECIAL FIRE FIGHTING PROCEDURES : None

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES : Use gloves, eye protection, and dust mask during clean up. Sweep up and place in suitable container for disposal.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE (MIN. / MAX.) : 32 / 95 °F 0 / 35 °C
SHELF LIFE : Stable for upwards of 1 year in cool (refrigerated), dry conditions.
Stable for 3 months at room temperature.
SPECIAL SENSITIVITY : Avoid high temperatures. Keep package tightly sealed. Do not allow contents to get wet.
HANDLING AND STORAGE PRECAUTIONS : Store in cool, dry conditions separately from feed and foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EYE PROTECTION REQUIREMENTS : Use safety goggles and/or face shield when handling
SKIN PROTECTION REQUIREMENTS : Use waterproof gloves when handling



RESPIRATORY / VENTILATION REQUIREMENTS : Provide local exhaust or general dilution ventilation. Use a dust – mist filtering respirator (NIOSH-M SHA TC-21C) when handling.

EXPOSURE LIMITS : N/A

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM : Granular
COLOR : Yellow/brown
ODOR : Bran
BOILING POINT RANGE : N/A °F °C
MELT POINT / FREEZE POINT : N/A °F °C
FLASH POINT : N/A °F °C
AUTO IGNITION : N/A °F °C
UPPER EXPLOSIVE LIMITS (UEL) : N/A
LOWER EXPLOSIVE LIMITS (LEL) : N/A
pH : 4.9
SOLUBILITY IN WATER : Dispersible
SPECIFIC GRAVITY : N/A
BULK DENSITY : 30 lb./cu. Ft.
% VOLATILE BY WEIGHT : <1
VAPOR PRESSURE at 20 °C : N/A
VAPOR DENSITY : N/A

10. STABILITY AND REACTIVITY:

STABILITY : Stable
HAZARDOUS POLYMERIZATION : Will not occur
INCOMPATIBILITIES : None noted
DECOMPOSITION PRODUCTS : N/A
CONDITIONS TO AVOID : Avoid high temperatures

11. TOXICOLOGICAL INFORMATION:

Avoid contact with skin, eyes, or clothing. Wear goggles and rubber gloves when handling and mixing. In case of contact, flush eyes or skin with plenty of water. Get medical attention if irritation persists.

12. ECOLOGICAL INFORMATION:

This product may be toxic to fish and aquatic invertebrates. The potential effects of this product on non-target beneficial insects are not known. Do not spray when honeybees are actively foraging. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Do not allow contamination of or discharge into lakes, streams, ponds, or public waterways. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Apply this product only as specified in the label.

13. DISPOSAL CONSIDERATIONS:

WASTE DISPOSAL METHOD : Unused product can be disposed of on site or at an approved waste disposal facility.



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14. TRANSPORTATION INFORMATION:

D.O.T. PROPER SHIPPING NAME : N/A
TECHNICAL SHIPPING NAME : *Paecilomyces fumosoroseus* Apopka Strain 97
D.O.T. HAZARD CLASS : N/A
U.N. /N.A. NUMBER : N/A
PRODUCT RQ (lbs.) : N/A
D.O.T. LABEL : N/A
D.O.T. PLACARD : N/A

15. REGULATORY INFORMATION:

OSHA STATUS : N/A
TSCA STATUS : N/A
CERCLA REPORTABLE QUANTITY : N/A

SARA TITLE III:

SECTION 302 EXTREMELY
HAZARDOUS SUBSTANCES : N/A
SECTION 311/312
HAZARD CATEGORIES : N/A
SECTION 313
TOXIC CHEMICALS : N/A

RCRA STATUS : N/A

STATE REGULATORY INFORMATION:

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For detail on your regulatory requirements you should contact the appropriate agency in your state.

COMPONENT NAME /

CAS NUMBER

CONCENTRATION

STATE CODE

16. OTHER INFORMATION:

REASON FOR ISSUE : Company Change
APPROVAL DATE : 6/15/01
SUPERSEDES DATE : 12/22/99
MSDS NUMBER : 70051-17-PFR

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