

ProStar® Plus™

FUNGICIDE

For Control of Diseases on Ornamental Turf

Two independently registered products are contained.

Using label instructions, apply the entire contents of this package to the target ornamental turf site once the package is opened.

EPA Establishment Number: 45639-MI-001

ProStar® 50WP

FUNGICIDE

IN WATER SOLUBLE PACKAGING
For Control of Diseases on Turf

ACTIVE INGREDIENT:

flutolanil (N-[3-(1-methylethoxy)-phenyl]-2-(trifluoromethyl)-benzamide) 50.3%

INERT INGREDIENTS: 49.7%

TOTAL 100.0%

EPA Reg. No. 45639-153

Protected by U.S. Patent No. 4,093,743

KEEP OUT OF THE REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IN CASE OF MEDICAL EMERGENCIES OR HEALTH AND SAFETY INQUIRIES, OR IN CASE OF FIRE, LEAKING, OR DAMAGED CONTAINERS, INFORMATION MAY BE OBTAINED BY CALLING 800-228-5635, EXT. 202.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with eyes, skin, or clothing.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. For terrestrial uses, do not apply to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This labelling MUST be in possession of the user at the time of pesticide application.

Do not apply this product through any type of irrigation system.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination. Following application and during rainfall events that cause runoff, this chemical may reach surface water bodies including streams, rivers, and reservoirs.

Bayleton® 50WP

FUNGICIDE

IN WATER SOLUBLE PACKAGING
Systemic Fungicide

ACTIVE INGREDIENT:

1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone 50.0%

INERT INGREDIENTS: 50.0%

TOTAL 100.0%

EPA Reg. No. 3125-340

KEEP OUT OF THE REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink one or two glasses of water and induce vomiting by touching back of throat with finger, or, if available by administering syrup of ipecac. If syrup of ipecac is available, administer 1 tablespoon (15 ml) of syrup of ipecac followed by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat the dose once. Do not induce vomiting or give anything by mouth to an unconscious person.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, mouth to mouth. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

SYMPTOMS OF POISONING: The compound does not cause any definite symptoms that would be diagnostic. Poisoning is accompanied by hyperactivity followed by sedation.

NOTE TO PHYSICIAN: No specific antidote. Treat symptomatically.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic skin reaction in some individuals. Avoid contact with skin, eyes or clothing. Avoid breathing dust or spray mist.

ENVIRONMENTAL HAZARDS

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 disposing of equipment washwaters. Apply this product only as specified on this label. Do not make applications when weather conditions favor drift from target area.

Ground water advisory: This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Bayleton® 50WP, continued

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Chemical-resistant headgear for overhead exposure

USER SAFETY RECOMMENDATIONS

Do not eat, drink, smoke, or chew gum or tobacco while handling this product and until hands and face are thoroughly washed with soap and water. Do not use the toilet before thoroughly washing hands.

If this product penetrated through your clothing or personal protective equipment, stop handling this product immediately, remove the cloth-

ing and equipment, wash your body thoroughly and put on clean clothing and equipment before resuming the handling activity.

After handling this product, remove personal protective equipment immediately. Wash the outside of gloves before taking them off. Shower or wash thoroughly and change into clean clothing as soon as possible.

Discard clothing and personal protective equipment that cannot be reused, including clothing and other absorbent materials that have been drenched or thoroughly contaminated with this product's concentrate. Otherwise, wash clothing and personal protective equipment (including both the inside and outside of gloves) before each day of reuse according to manufacturer's directions or, if no such directions, in detergent and hot water. Keep and wash separately from other laundry.

ProStar® Plus™

STORAGE AND DISPOSAL

STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Do not store below freezing (32°F). Exposure to moisture or excessive handling of water soluble packets may cause breakage. Store packets in original container and out of the reach of children, preferably in a locked storage area.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty carton into application equipment. Then dispose of empty carton in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, carefully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed above. In spill or leak incidents, keep unauthorized people away.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency in your State responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box apply only to uses that are covered by the Worker Protection Standard.

Do not enter or allow worker reentry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

GENERAL INFORMATION

PROSTAR 50WP is a systemic fungicide recommended for control of diseases of turf caused by basidiomycetes, and should be used particularly for control of *Rhizoctonia* brown patch. PROSTAR 50WP has demonstrated excellent safety for use on Kentucky bluegrass, creeping bentgrass, perennial ryegrass, red fescue, tall fescue, Bermudagrass, St. Augustinegrass, and zoysiagrass.

BAYLETON 50WP is a systemic fungicide recommended for control of certain diseases of turf. It is particularly effective against dollar spot of turf, caused by *Sclerotinia homeocarpa*.

This dual package product is designed for use on turf, under conditions which favor the development of diseases caused by fungi which attack the growing, vegetative portion of the plant, and which would require the use of a tank-mix for adequate control.

MIXING

The entire contents of this package, i.e. **both water soluble bags**, should be added to the water in the spray tank and allowed to dissolve for **5 minutes** prior to agitation. The bags may float, but do not disturb them. Agitation may be started once the bags begin to disintegrate into the spray tank solution.

APPLICATION AND DOSAGE

Apply tank-mix to the target turf area using ground application equipment in 2 to 5 gallons of water per 1000 square feet, unless otherwise specified. For best results, ensure uniform coverage of the spray to the target area using equipment such as flat fan nozzles and 50 mesh or larger screens. Do not irrigate until spray has dried on grass, and avoid mowing for 24 hours after application.

DOSAGE TABLE

Target Diseases	Area Treated by Entire Contents of this Package	Remarks
Dollar spot, Brown patch, Powdery mildew, Red thread, Rusts, Pink patch, Yellow patch, Southern blight, Copper spot	<i>Preventative treatment</i> 12,000 sq. ft.	Apply recommended rate as a preventative treatment prior to initial signs of disease development.
	<i>Curative treatment</i> 8,000 sq. ft.	Repeat application after 30 days if conditions favor disease development. To control existing infections, apply the curative rate. Subsequent applications should be made using the preventative schedule and dosage rate if conditions favor disease development.
Pink and Gray Snow Molds	<i>Preventative treatment only</i> 4,000 sq. ft.	Apply in the fall prior to permanent snow cover. Do not apply over snow cover, or when turf is dormant. Do not treat more than 10,000 sq. ft. per acre of turf area using this dosage rate. A second application may be made as needed after a 60-day interval if the turf breaks dormancy during the winter months.

USE PRECAUTIONS

- For use rates of PROSTAR 50WP which may exceed 3 oz. per 1,000 square feet, do not apply within 100 feet of any estuary or marine habitat or within 100 feet of any ditches, drainage tiles, or other waterways that drain directly into (within 1/2 mile) estuaries or marine habitats.
- Apply no more than a combined total of 6 oz. of PROSTAR 50WP per 1000 square feet as a broadcast application during a single growing season.
- Do not use water-soluble PVA packets in a tank-mix with products that contain Boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic which is not soluble in water or solvents such as oils, kerosene, gasoline, or alcohol.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond AgrEvo USA Company's control, it is impossible for AgrEvo USA Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATE-

MENTS MADE ON THIS LABEL. No agent of AgrEvo USA Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. AgrEvo USA Company disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability or otherwise.

LIMITATIONS OF LIABILITY: THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT AGREVO USA COMPANY'S ELECTION, THE REPLACEMENT OF PRODUCT.

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PS+-SL-(950421)-NP 6/95

This is a specimen label. AgrEvo USA Company is not responsible for the accuracy of the information contained herein. As labels are subject to revision, always carefully read and follow the label on the product container.

ISSUE DATE: 09/15/95

SUPERCEDES: 05/11/95

▶ SECTION 1-CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**AGREVO USA COMPANY**LITTLE FALLS CENTRE ONE
2711 CENTERVILLE ROAD
WILMINGTON, DE 19808**EMERGENCY TELEPHONE NUMBER****In Case of Medical Emergencies or Health and Safety Inquiries, or in Case of Fire, Leaking, or Damaged Containers, Information May Be Obtained by Calling: 1-800-228-5635, EXT. 202 (24 Hours)****General Product Information Inquiries: (302) 892-3000 (Days)****PRODUCT NAME: PROSTAR® PLUS *CONTAINER #1
IN A TWIN PACK PRODUCT*****PRODUCT CODE: NA 211****CHEMICAL NAME: N-[3-(1-methylethoxy)phenyl]-2-(trifluoromethyl) benzamide (active ingredient)****CHEMICAL FAMILY: Benzamide****CHEMICAL FORMULA: Mixture (active ingredient: C₁₇H₁₆F₃NO₂)****EPA REGISTRATION NO.: 45639-153****MSDS IDENTIFICATION CODE/NUMBER: 000194****SYNONYMS: FLUTOLANIL 50WP (NA 211)
NA 211 (PROSTAR 50WP)****END-USE PRODUCT DESCRIPTION**

PROSTAR PLUS is part of a twin pack product with Bayleton 50WP. It is a fungicide for use on turf.

▶ SECTION 2-COMPOSITION/INFORMATION ON INGREDIENTS**INGREDIENT 1: Flutolanil****PERCENT: 50.0%****CAS NUMBER: 66332-96-5****OSHA-PEL OR ACGIH-TLV: Not established****INGREDIENT 2: Inert Ingredients****PERCENT: 50.0%****CAS NUMBER: Trade Secret****INGREDIENT 3: Kaolin****CAS NUMBER: 1332-58-7****ACGIH-TLV (TWA): 2 mg/m³ (Respirable dust)****INGREDIENT 4: Amorphous Silica (hydrated)****CAS NUMBER: 7631-86-9****OSHA-PEL: 6 mg/m³****ACGIH-TLV: 6 mg/m³****INGREDIENT 5: Crystalline Silica (Quartz)****CAS NUMBER: 14808-60-7****OSHA-PEL = ACGIH-TLV: 0.1 mg/m³ (Respirable crystalline silica)****INERT INGREDIENTS (50%):** Only the regulated ingredients are listed above. For additional information, refer to Section 15 (Regulatory Information).**▶ SECTION 3-HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW: CAUTION. CAUSES MODERATE EYE IRRITATION AND IS HARMFUL IF ABSORBED THROUGH THE SKIN. DO NOT GET IN EYES, ON SKIN, OR CLOTHING. AVOID BREATHING DUST. THE PRODUCT IS A LIGHT TAN POWDER WITH NO DISTINCT ODOR.****POTENTIAL HEALTH EFFECTS****PRIMARY ROUTE(S) OF ENTRY:** Dust inhalation, skin contact.**EYES:** Causes moderate eye irritation, especially under conditions of prolonged eye contact.**SKIN:** Not known to be a skin irritant. Harmful if absorbed through the skin. Does not cause skin sensitization in animal studies.**INGESTION:** No specific health effects are known for ingestion of a small amount incidental to routine handling and use.**INHALATION:** Excessive dust inhalation may irritate upper respiratory track. No other specific health effects are known.**CHRONIC TOXICITY AND CARCINOGENICITY INFORMATION:** Flutolanil technical is not listed as carcinogenic by NTP, IARC, or OSHA.

One inert ingredient contains a small amount of crystalline silica which is a naturally occurring component of sand, clay and inorganic soil. Chronic exposure to respirable crystalline silica is known to cause silicosis (formation of fibrous tissue in the lung) if inhaled. IARC has listed the crystalline silica as a probable human carcinogen (Group 2A), based on human inhalation exposures under excessive and chronic conditions (e.g., long-term clay or mineral mining working conditions).

This product contains a very small amount of respirable crystalline silica and consequently, any long-term risk, such as those stated above under mining conditions, is considered highly unlikely. Under the recommended conditions of normal handling and use, excessive and chronic inhalation exposure by the users is unlikely.

SIGNS AND SYMPTOMS

Excessive dust inhalation may irritate the respiratory tract. No other specific health effects are known.

MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE

Excessive dust inhalation may aggravate pre-existing conditions of the upper respiratory system.

NOTE: For detailed toxicological information, please refer to Section 11.**▶ SECTION 4-FIRST AID MEASURES****EYES:** Flush with plenty of water. Call a physician if irritation persists.**SKIN:** Wash with plenty of soap and water. Get medical attention**NOTE TO PHYSICIAN:** Supportive care. Treatment based on judgement of the physician.**▶ SECTION 5-FIRE FIGHTING MEASURES****FLAMMABLE PROPERTIES****FLASH POINT:** Does not flash**FIRE AND EXPLOSION HAZARDS:** Dispersion of fine dust in the air can form an explosive mixture. Will burn to give off toxic oxides of carbon and nitrogen.**EXTINGUISHING MEDIA:** Water, foam, carbon dioxide, or dry powder.**FIRE FIGHTING INSTRUCTIONS:** Wear positive pressure self-contained breathing apparatus. Spray containers with water to keep cool.**▶ SECTION 6-ACCIDENTAL RELEASE MEASURES****GENERAL AND DISPOSAL:** Use proper protective equipment to minimize exposure (see Section 8). Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with federal or local disposal regulations.

LAND SPILL OR LEAK: Sweep up carefully while avoiding the formation of a dust cloud. Place in suitable container and seal for disposal. Area can be washed with water to remove last traces of material, but keep out of watercourses or sewers. Inform authorities immediately if contamination occurs.

▶ SECTION 7-HANDLING AND STORAGE

HANDLING PRECAUTIONS

CAUTION. This product causes moderate eye irritation and is harmful if absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dusts.

User Safety Recommendations:

- Do not eat, drink, smoke or chew gum or tobacco while handling this product and until hands and face are thoroughly washed with soap and water. Do not use the toilet before thoroughly washing hands.
- If this product penetrated through your clothing or personal protective equipment, stop handling this product immediately, remove the clothing and equipment, wash your body thoroughly, and put on clean clothing and equipment before resuming the handling activity.
- After handling this product, remove personal protective equipment immediately. Wash the outside of gloves before taking them off. Shower or wash thoroughly and change into clean clothing as soon as possible.
- Discard clothing and personal protective equipment that cannot be reused, including clothing and other absorbent materials that have been drenched or thoroughly contaminated with this product's concentrate. Otherwise, wash clothing and personal protective equipment (including both the inside and outside of gloves) before each day of reuse according to manufacturer's directions or, if no such directions, in detergent and hot water. Keep and wash them separately from other laundry.
- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Do not apply through any type of irrigation system. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency in your State responsible for pesticide regulation.

STORAGE PRECAUTIONS

Store in the original container and keep closed. Store in a cool, dry place. Do not store near or contaminate food or feed products.

▶ SECTION 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Control airborne concentrations below the exposure guideline (see Section 2 for OSHA/ACGIH exposure limits). Use with adequate ventilation. Local exhaust ventilation may be necessary, especially when used in a confined area.

FOR APPLICATORS AND HANDLERS (FOR AGRICULTURAL USES ONLY): The personal protective equipment (PPE) for agricultural uses are specified under the Subtitle: "Note to Applicators and Handlers of Agricultural Products."

FOR MANUFACTURING AND PACKAGING EMPLOYEES: The personal protective equipment (PPE) in accordance with OSHA standards are recommended immediately below.

EYE/FACE PROTECTION: Safety glasses; chemical workers goggles.

SKIN PROTECTION: PVC protective gloves recommended.

RESPIRATORY PROTECTION: Ensure good ventilation. If not adequate, use a suitable dust mask or a dust respirator.

OTHER/GENERAL PROTECTION: None specific; good general practice consistent with pesticide handling.

NOTE TO APPLICATORS AND HANDLERS OF AGRICULTURAL PRODUCTS: For agricultural products which are within the scope of the EPA Worker Protection Standards (WPS) (40 CFR Part 170), all users must refer to the statement below or the Product Label for WPS-specified Personal Protective Equipment (PPE), Restricted Entry Interval (REI), and other Precautionary Statements.

PERSONAL PROTECTIVE EQUIPMENT FOR APPLICATORS AND HANDLERS:

Applicators and handlers must wear:

- Long-sleeved shirts and long pants
- Waterproof gloves
- Shoes plus socks

PERSONAL PROTECTIVE EQUIPMENT REQUIRED FOR EARLY ENTRY INTO TREATED AREAS: For entry into treated area during the restricted entry interval (REI) of 12 hours that involves contact with anything that has been treated such as plants, soil, or water, the PPE required is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

▶ SECTION 9-PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Light tan free-flowing powder.

ODOR: Essentially odorless

BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Solid

BOILING POINT: Not applicable °F

MELTING POINT: 219-221*°F 104-105*°C

VAPOR PRESSURE: 1.33 x 10⁻⁵ mm Hg**

VAPOR DENSITY (AIR = 1): not volatile

PACKING DENSITY: 24 lb/cubic ft.

SOLUBILITY (H₂O): 9.6 mg/l (9.6ppm)* (20°C or 68°F)

PARTITION COEFFICIENT: Not available (n-Octanol/Water)

****VAPOR PRESSURE:** 1.33 x 10⁻⁵ mm Hg (20°C/68°F) (Flutolanil Tech., a.i.)

*No data for the formulated product; these values are for the a.i.

▶ SECTION 10-STABILITY AND REACTIVITY

STABILITY: Stable (at ambient conditions)

CONDITIONS TO AVOID (STABILITY): Extreme heat or moisture

HAZARDOUS POLYMERIZATION: None

▶ SECTION 11-TOXICOLOGICAL INFORMATION

EYE EFFECTS: Causes moderate eye irritation, especially under conditions of prolonged eye contact.

SKIN EFFECTS

DERMAL LD50 (rat): >2,000 mg/kg (low toxicity). Harmful if absorbed through the skin.

ACUTE ORAL EFFECTS

ORAL LD50 (rat): >5,000 mg/kg (low toxicity)

ACUTE INHALATION EFFECTS

INHALATION LC50 (rat – 4 hrs.): Greater than 6.72 mg/l, the highest attainable dust concentration in air. No mortality or toxicity was observed in 15 days when rats were exposed to this maximum dose (low toxicity).

The studies below were carried out with Flutolanil technical (>98%), the active ingredient for this formulated product.

SUBCHRONIC (TARGET ORGAN EFFECTS): Results from 90-day animal studies suggest no target organ effects under the conditions of normal handling and use.

CHRONIC TOXICITY AND CARCINOGENICITY INFORMATION: In two-year feeding studies with flutolanil in rats, no organotoxic effects were observed at dose levels up to 200 ppm. At very high experimental dose levels (2,000-10,000 ppm), slight anemia, minor liver damage and some nephrosis were observed. However, flutolanil had no significant effect on mortality and was not carcinogenic at any of the doses tested. Similar results were observed in dogs administered up to 1250 mg/kg/day. EPA Peer Review Committee (1994) classed flutolanil technical in Group E (non-carcinogenic).

CARCINOGENICITY
NTP: No
IARC: No
OSHA: No

TERATOGENICITY (BIRTH DEFECTS): Flutolanil Technical demonstrated no teratogenic effects in rabbits at oral dose levels up to 1000 mg/kg/day.

REPRODUCTIVE EFFECTS: Flutolanil technical showed no adverse effects on reproduction in a three-generation rat reproduction study at dietary doses up to 10,000 ppm.

NEUROTOXICITY: Data not available.

MUTAGENICITY (GENETIC EFFECTS): Flutolanil technical was not mutagenic or genotoxic when tested in the Ames gene mutation assay, the mouse micronucleus tests, or the chromosomal aberration assay.

► SECTION 12-ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This product is toxic to aquatic invertebrates. For terrestrial uses, do not apply directly to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

► SECTION 13-DISPOSAL CONSIDERATIONS

PROPER PESTICIDE DISPOSAL: Handling and disposal of pesticide wastes, including spills or rinsates, must be in accordance with federal requirements under the Resource Conservation and Recovery Act (RCRA). Also must ensure that the waste disposal is in compliance with state and local regulations which may be more restrictive or otherwise different from the RCRA requirements.

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved disposal facilities.

CONTAINER DISPOSAL: See product label (e.g., Container Disposal).

RCRA INFORMATION

RCRA hazardous waste ingredients: Flutolanil technical is not a listed chemical under RCRA.

► SECTION 14-TRANSPORT INFORMATION

PROPER SHIPPING NAME: None

DOT SHIPPING LABEL: None

FREIGHT CLASSIFICATION: Agricultural Fungicide, Dry, N.O.I.

► SECTION 15-REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION

TSCA: Except from TSCA; a registered pesticide under FIFRA.

SARA TITLE III

Section 302 (EHS) Ingredients: Not listed

Section 304 (CERCLA & HS) Ingredients (RQ): Not listed

SARA TITLE III NOTIFICATIONS AND INFORMATION

SARA TITLE III – HAZARD CLASSES:

Acute Health Hazard: "Yes"

Chronic Health Hazard: "No"

Fire Hazard: "No"

Sudden Release of Pressure Hazard: "No"

Reactivity Hazard: "No"

SARA TITLE III – SECTION 313 SUPPLIER NOTIFICATION:

This product does not contain any SARA 313 toxic chemicals.

U.S. STATE REGULATORY INFORMATION: STATE Right-to-know Hazard Substance List: Flutolanil is not a listed chemical under any State RTK-regulations. One inert ingredient (<1%), crystalline silica (Quartz), is a right-to-know substance under several state regulations (NJ, PA, and MA).

► SECTION 16-OTHER INFORMATION

HMIS HAZARD RATING:

HEALTH: 1 Slight

FIRE: 1 Slight

REACTIVITY: 0 Negligible

PPE: E

NFPA HAZARD RATING:

HEALTH: 1 Slight

FIRE: 1 Slight

REACTIVITY: 0 Negligible

SPECIFIC HAZARD: None

MSDS IDENTIFICATION CODE/NUMBER: 000194

PREPARED BY: Dept. of Regulatory Affairs

PHONE: (302) 892-3000

SUPERCEDES MSDS DATED: 05/11/95

MSDS REVISION INDICATOR: Revised Sections 3, 7, 11, & 16.

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