



BAYER CROPSCIENCE LP
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For Medical and Transportation Emergencies Only:
Call 24 hours a day 1-800-334-7577
For Product Use Information: Call 1-866-99BAYER (1-866-992-2937)

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME.....: STRATEGO Fungicide
PRODUCT CODE.....: 12007
CHEMICAL FAMILY.....: Fungicide
PRODUCT USE.....: Commercial Fungicide
EPA Registration No.: 264-779

2. COMPOSITION/INFORMATION ON INGREDIENTS:

INGREDIENT NAME /CAS NUMBER EXPOSURE LIMITS CONCENTRATION (%)

***** HAZARDOUS INGREDIENTS *****

Propiconazole
60207-90-1 OSHA : Not Established 11.4 %
ACGIH: Not Established

Trifloxystrobin
141517-21-7 OSHA : Not Established 11.4 %
ACGIH: Not Established

Specific chemical identity is withheld as a trade secret.
OSHA : Not Established 45-60 %
ACGIH: Not Established

Specific chemical identity is withheld as a trade secret.
OSHA : Not Established 20-25 %
ACGIH: Not Established

2. COMPOSITION/INFORMATION ON INGREDIENTS (Continued)

INGREDIENT NAME /CAS NUMBER	EXPOSURE LIMITS	CONCENTRATION (%)
Specific chemical identity is withheld as a trade secret.		
	OSHA : Not Established	1-5 %
	ACGIH: Not Established	

3. HAZARDS IDENTIFICATION:

* EMERGENCY OVERVIEW *
*
* WARNING! Color: Brown; Form: Liquid; Brown; Odor: Not *
* Available; Causes eye irritation; Harmful if swallowed. *

POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY.....: Inhalation; Skin Contact; Skin Absorption;
Eye Contact

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE EFFECTS OF EXPOSURE.....: Based on EPA Toxicity Category Criteria of a similar formulation, this product is mildly toxic orally and essentially non-toxic dermally. In addition, animal studies have shown that eye and skin irritation may result from direct contact and can include painful burning. Inhalation of vapors may result in respiratory irritation due to solvent components. Exposures to high concentrations of solvents may cause nausea or narcotic effects.

CHRONIC EFFECTS OF EXPOSURE...: No chronic effects from active ingredients are known; however, prolonged skin contact with the solvent components may result in redness and dermatitis.

CARCINOGENICITY.....: This product is not listed by NTP, IARC or regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS

AGGRAVATED BY EXPOSURE.....: None known

4. FIRST AID MEASURES:

FIRST AID FOR EYES.....: Hold eye 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 eye. Call a poison control center or doctor for treatment advice.

4. FIRST AID MEASURES (Continued)

FIRST AID FOR 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.

FIRST AID FOR INHALATION: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment information.

FIRST AID FOR INGESTION.: Call 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 physician or poison control center. Do not give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN.....: There is no specific antidote if this product is ingested. Treat symptomatically. In case of poisoning, call the emergency number on page 1.

5. FIRE FIGHTING MEASURES:

FLASH POINT.....: Not Available
EXTINGUISHING MEDIA.....: Carbon Dioxide; Dry Chemical; Foam
UNUSUAL FIRE / EXPLOSION HAZARDS: Not Available

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES.....: Wear chemical goggles or a full-face shield, rubber gloves, rubber boots, long-sleeved shirt, long pants, head covering, and a NIOSH-approved chemical cartridge respirator with organic vapor cartridges and either P-100 or P-95 pre-filters or a self-contained breathing apparatus (SCBA). For small spills, cover with an absorbent such as pet litter. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE(MIN/MAX): Not available
SHELF LIFE.....: Not available
SPECIAL SENSITIVITY.....: Not available

7. HANDLING AND STORAGE (Continued)

HANDLING/STORAGE PRECAUTIONS: Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco usage, and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

8. PERSONAL PROTECTION:

EYE PROTECTION REQUIREMENTS.....: To avoid eye contact, wear chemical goggles or a full-face shield.

SKIN PROTECTION REQUIREMENTS.....: To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants and a head covering.

RESPIRATOR REQUIREMENTS.....: To avoid breathing mists or sprays, wear a NIOSH-approved chemical cartridge respirator with organic vapor cartridges and either P-100 or P-95 pre-filters or a supplied-air respirator.

ADDITIONAL PROTECTIVE MEASURES.....: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM.....: Liquid

APPEARANCE.....: Brown

COLOR.....: Brown

ODOR.....: Not Available

BOILING POINT.....: Not Available

MELTING/FREEZING POINT....: Not Available

SOLUBILITY IN WATER: Propiconazole: 0.1 g/L @ 20 C; Trifloxystrobin:
Not Available

SPECIFIC GRAVITY: 1.1 g/cm³

BULK DENSITY.....: Not Noted

VAPOR PRESSURE: Propiconazole: 1.30E-04 Pa @ 20 C;
Trifloxystrobin: Not Available

10. STABILITY AND REACTIVITY:

STABILITY.....: This is a stable material.

HAZARDOUS POLYMERIZATION...: Will not occur.

INCOMPATIBILITIES.....: Not known

INSTABILITY CONDITIONS.....: Not known

DECOMPOSITION PRODUCTS.....: Not known

11. TOXICOLOGICAL INFORMATION:

Acute toxicity studies have not been performed on this product as formulated. The acute toxicity data is from a very similar Stratego formulation. The non-acute information pertains to the two active ingredients, trifloxystrobin technical and propiconazole technical.

ACUTE TOXICITY

ORAL LD50.....: Male Rat: 4757 mg/kg; Female Rat: 4830 mg/kg

DERMAL LD50.....: Male and Female Rabbit: >5050 mg/kg

INHALATION LC50....: 1 HR Exposure to Liquid Aerosol: Male and Female Rat: >2.16 mg/L (actual); 1 HR Exposure to Liquid Aerosol (extrapolated from 4 HR): Male and Female Rat: >8.64 mg/L (actual)

EYE EFFECTS.....: Rabbit: Moderate irritation to the cornea and conjunctiva was observed with all irritation clearing completely within 21 days post-treatment.

SKIN EFFECTS.....: Rabbit: Slightly irritating.

SENSITIZATION.....: Guinea Pig: Not a dermal sensitizer.

SUBCHRONIC TOXICITY...: Trifloxystrobin Technical. In a 28-day dermal toxicity study in rats, trifloxystrobin was tolerated without local effects at doses up to and including the limit dose of 1000 mg/kg/day. Systemic effects were observed in males at the limit dose and included increased organ weights (liver and kidney). Propiconazole Technical. Subchronic toxicity - none observed .

CHRONIC TOXICITY.....: Trifloxystrobin Technical. In chronic toxicity studies in mice and dogs, the major primary target organ appears to be the liver following dietary administration of trifloxystrobin. Liver effects were not seen in a chronic toxicity rat study with trifloxystrobin. Propiconazole Technical. Chronic toxicity - none observed.

CARCINOGENICITY.....: Trifloxystrobin Technical. Trifloxystrobin did not cause any treatment-related increase in general tumor incidence, any elevated incidence of rare tumors, or shortened time to the development of palpable or rapidly lethal tumors in an 18-month mouse and a 24-month rat study. Propiconazole Technical. Carcinogenic potential - increased incidence of liver tumors at extremely high doses (male mice).

MUTAGENICITY.....: Trifloxystrobin Technical. Trifloxystrobin has been tested for its potential to induce gene mutation and chromosomal changes in 5 different test systems. Taken collectively, these studies demonstrate trifloxystrobin is not genotoxic or mutagenic. Propiconazole Technical. Mutagenic potential - none observed.

DEVELOPMENTAL TOXICITY: Trifloxystrobin Technical. In developmental toxicity studies using rats and rabbits, trifloxystrobin was not a primary developmental toxicant.

REPRODUCTION.....: Trifloxystrobin Technical. In a two generation reproduction study using rats, trifloxystrobin was not a primary reproductive toxicant. Propiconazole Technical. Reproductive hazard potential - none observed.

12. ECOLOGICAL INFORMATION:

This pesticide is toxic to fish and aquatic invertebrates. Bayer will provide a summary of specific data upon written request. As with any pesticide, this product should be used according to label directions and should be kept out of streams, lakes and other aquatic habitats. IN EVENT OF A SPILL EMERGENCY, CALL THE EMERGENCY NUMBER ON PAGE 1.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD.....: Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

14. TRANSPORTATION INFORMATION:

TECHNICAL SHIPPING NAME.....: Fungicide
FREIGHT CLASS BULK.....: Insecticides or Fungicides; Agricultural,
N.O.S.
FREIGHT CLASS PACKAGE.....: Insecticides or Fungicides; Agricultural,
N.O.S.
PRODUCT LABEL.....: STRATEGO Fungicide

DOT (DOMESTIC SURFACE)

HAZARD CLASS OR DIVISION: Non-Regulated

IMO / IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

ICAO / IATA (AIR)

HAZARD CLASS DIVISION NUMBER...: Non-Regulated

15. REGULATORY INFORMATION:

OSHA STATUS.....: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Bayer CropScience. The data on this sheet relates only to the specific material designated herein. Bayer CropScience assumes no legal responsibility for use or reliance upon these data.

Product Code: 12007
Approval date: 03/06/2003

MSDS Page 8
Last page