

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

WARNING

May be fatal if swallowed. Harmful if inhaled or absorbed through skin.
Causes substantial but temporary eye injury.

FIRST AID

If swallowed, give 1 or 2 glasses of water and induce vomiting by placing finger in back of throat. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.

ENVIRONMENTAL HAZARD

DO NOT apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

EPA Reg. No. 43813-2
EPA Est. No. 43813-BLO2

Fungaflo

TRADEMARK

Technical

ACTIVE INGREDIENT (w/w)
Imazalil · 1-[2-(2,4-dichlorophenyl)-
2-(2-propenyloxy)ethyl]-1H-imidazole**

INERT INGREDIENTS

TOTAL

** Active ingredient is manufactured by Janssen Pharmaceutica
U.S. Patent No. 3,658,813

USE ONLY FOR FORM
REGISTERED PESTICIDES

U.S. PAT. NO. 3,658,813

KEEP OUT OF REACH
WARNING

NET Contents 55 Pounds



Janssen Pharmaceutica

501 George Street
New Brunswick, N.J. 08903
U.S.A.

Fungafior

TRADE MARK

Technical

ACTIVE INGREDIENT : (w/w)

Imazalil : 1-[2-(2,4-dichlorophenyl)
-2-(2-propenyloxy)ethyl]-1H-imidazole ** 97.5 %

INERT INGREDIENTS 2.5 %

TOTAL 100.0 %

** Active ingredient is manufactured by Janssen Pharmaceutica B-2340 Beerse Belgium
U.S. Patent No. 3 658 813

**USE ONLY FOR FORMULATION OF
REGISTERED PESTICIDES**

U.S. PAT. NO. 3,658,813

**KEEP OUT OF REACH OF CHILDREN
WARNING**

NET Contents 55 Pounds/25 Kilograms



Janssen Pharmaceutica

501 George Street
New Brunswick NJ 08903
U.S.A.

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EPA Est. No. 43813-BLO2

MATERIAL SAFETY DATA SHEET

Janesen R & B USA, Inc. 10000 W. 10th Ave., Suite 100, Denver, CO 80202
Emergency Phone: (303) 755-1000

Effective Date: 10/1/83

Product Name: **Fungaflo[®] Technical** MSN

Recommendations For Using **Fungaflo[®] Technical**

Fungaflo[®] Technical is a white crystalline powder with a melting point of 340°C (644°F). It is soluble in water and has a density of 1.2429 g/cm³. It is slightly hygroscopic and should be stored in a dry, well-ventilated area. It should be used for the formulation of registered pesticides. **Fungaflo[®] Technical** should only be used for formulation of registered pesticides.

Section 1 - PHYSICAL DATA

- **Boiling point:** 340°C
- **Vapour pressure (20°C):** 7 - 10 mm Hg
- **Vapour density (air = 1):** not applicable
- **Appearance and odour:** slightly hygroscopic white crystalline powder at about 50°C unsaturated aliphatic hydrocarbon
- **Solubility in water:** insoluble
- **Specific gravity:** 1.2429
- **% volatile by weight:** 0.3% (24 h @ 100°C)

Section 2 - FIRE AND EXPLOSION HAZARD DATA

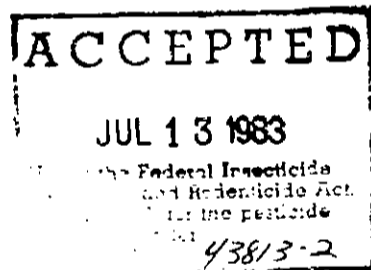
- **Flash point:** 192°C (closed cup)
- **Flammable limits:** no self-combustion of vapours even at 340°C
- **Extinguishing media:** water, foam, CO₂, dry chemical, water spray
- **Special fire fighting equipment and hazards:** self-contained breathing equipment. Prevent contamination of water supplies.
- **Unusual fire and explosion hazards:** very low (reacts with oxidizing material)

Section 3 - REACTIVITY DATA

- **Stability (flammability):** do not use or store near open flames
- **Incompatibility:** consult manufacturer for specific cases
- **Hazardous decomposition products:** not expected
- **Hazardous polymerization:** will not occur

Section 4 - SPILL, LEAK, AND DISPOSAL PROCEDURES

- **Action to take for spills (use appropriate safety equipment):** Absorb spill with inert material such as sand. Wash area of spill with water. Do not let this water enter water supplies.
- **Disposal method:** Bury waste in non-crop area away from water supplies.



MATERIAL SAFETY DATA SHEET

Janssen R & D, USA, 501 George Street, New Brunswick, New Jersey 08903
Emergency Phone : 201-524-9706

Effective date :

Product Code :

Product Name : **Fungaflo^r** Technical

MSD :

Section 5 - HEALTH HAZARD DATA

- **Ingestion** : toxic by ingestion. May be fatal when swallowed.
LD50 male rats is 343 mg/kg. LD50 female rats is 227 mg/kg.
- **Eye contact** : one drop of undiluted technical instilled once in the rabbit eye resulted in ocular lesions. Although the effect lasted for several days, it was transient.
DO NOT LET THE PRODUCT COME IN CONTACT WITH THE EYES
- **Skin contact** : at 640 mg/kg a temporary slight pink coloration of the skin was observed in rabbits 24 hours after dosing and lasting for about 7 days.
- **Skin absorption** : LD50 rats 4200-4880 mg/kg.
- **Inhalation** : single exposure for 4 hours at a concentration of 16 g/m³ did not result in mortality or clear signs of intoxication in the rat.
- **Effects of overexposure** : never observed.

Section 6 - FIRST AID - NOTE TO PHYSICIAN

- **First aid procedures** :
If swallowed, give 1 or 2 glasses of water and induce vomiting by placing finger in back of throat. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists.
- **Note to physician** : no specific antidote known. Treat symptomatically.

Section 7 - SPECIAL HANDLING INFORMATION

- **Ventilation** : not applicable.
- **Respiratory protection** : none likely to be needed.
- **Protective clothing** : clean, body-colored clothing. In addition, impervious gloves.
- **Eye protection** : chemical workers' goggles. Eye fountain and washing facilities at work area.

Section 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

- **Precautions to be taken in handling and storage** : see label. Keep away from children. Do not let the product come in contact with the eyes, the skin or clothing. Eye fountain, immediate, available in work area at all times. Do not contaminate areas, tanks, or streams.
- **Additional information** :

LAST PAGE

THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESS OR IMPLIED, IS MADE.