

MATERIAL SAFETY DATA SHEET

FOLPAN® 80WDG

Page 1 of 4

1. IDENTIFICATION

Product name: **FOLPAN® 80WDG (PCP Registration No. 27733)**
Chemical name of active ingredient(s): N-(Trichloromethylthio)phthalimide
Manufacturer/Registrant: Makhteshim Agan of North America, Inc.
3120 Highwoods Blvd., Suite 100
Raleigh, NC 27604
Phone: 919-256-9300
For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 1-800-535-5053
For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-877-250-9291

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACIGH TLV	OTHER	NTP/IARC/OSHA (CARCINOGEN)
Folpet	133-07-3	80	NA	NA	NA	NA
NA=Not applicable						

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES:

Appearance: Off-white granule

Odor: Faint odour (characteristic)

EMERGENCY OVERVIEW: WARNING. EYE-IRRITANT and SKIN IRRITANT POTENTIAL SKIN SENSITIZER. KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Do not inhale/breathe dust. Causes eye irritation. Do not get in eyes. May irritate skin. Avoid contact with skin. Potential skin sensitizer.

HAZARDOUS DECOMPOSITION PRODUCTS: CSCl₂, HCl, SO_x, NO_x, CO, CO₂

PRIMARY ROUTES OF EXPOSURE: Eye contact, inhalation, skin, and ingestion.

SYMPTOMS OF EXPOSURE:

SKIN: Repeated exposure may cause contact dermatitis.

EYES: Redness, tears.

4. FIRST AID

IF SWALLOWED: Call a poison control centre 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF IN 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 centre or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

Take the container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION:

There is no specific antidote if FOLPAN 80 WDG FUNGICIDE is ingested. Check for possible mucosal damage before performing gastric lavage. If inhaled, observe for onset of pulmonary edema. Treat central nervous system effects symptomatically.

MATERIAL SAFETY DATA SHEET

FOLPAN® 80WDG

Page 2 of 4

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

FLAMMABLE LIMITS: Not applicable

EXTINGUISHING MEDIA: In case of a small fire: foam or dry chemical, carbon dioxide. In case of a large fire: Water spray, fog or regular foam.

HAZARDOUS DECOMPOSITION PRODUCTS: CSCl_2 , HCl, SO_x , NO_x , CO, CO_2

FIRE-FIGHTING PROCEDURES: Firefighters should wear suitable protective clothing. Self-contained breathing apparatus. Fight fires from a protected location. Dike fire control water for later disposal.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Collect spilled material with shovel, place into a clean container and cover container loosely. Avoid contact, isolate area and keep animals and unprotected persons. Confine spills.

Personal Precautions: Use appropriate protection (See Section 8.)

Environmental Precautions: Dispose of this material and its container at hazardous or special waste collection point. If the product has contaminated surface water, inform the appropriate authorities.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid generation of dust. Do not breathe dust. Avoid contact with skin and eyes.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in a cool, dry, ventilated place. Protect from excessive heat. Keep locked up. Keep containers tightly closed. Keep only in the original container in a cool, well-ventilated place. Keep containers dry. To prevent contamination, store this product away from food or feed. Keep away from heat, fire and sparks.

STORAGE TEMPERATURE (MIN/MAX): Normal ambient temperatures. Avoid excessive heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

SKIN PROTECTION: Wear long-sleeved shirt, long pants and chemical-resistant footwear and socks.

EYE PROTECTION: Goggles or face shield.

HAND PROTECTION: Chemical-resistant gloves.

RESPIRATOR REQUIREMENTS: Applicator must wear either a respirator with a NIOSH/MSHA/BHSE approved organic-vapour-removing cartridge with a pre-filter approved for pesticides or a NIOSH/MSHA/BSHE approved canister approved for pesticides when handling open bags during fill operation.

ADDITIONAL PROTECTIVE MEASURES: Discarded clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash thoroughly after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Do not contaminate food or feed. Do not contaminate any body of water.
- Remove clothing immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash contaminated clothing with soap and hot water before reuse.

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: Use adequate ventilation to minimize airborne concentrations of this material.

MATERIAL SAFETY DATA SHEET

FOLPAN® 80WDG

Page 3 of 4

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Off-white granule

ODOR: Faint odour (characteristic)

BULK DENSITY: 0.7 g/mL at 20°C

pH: 8.404 (in 1% aqueous solution)

BOILING POINT: NA

MELTING POINT: NA

SOLUBILITY IN H₂O: Insoluble in water

VAPOUR PRESSURE: Folpet 11.6×10^{-5} Pa at 40°C

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal dry conditions.

CONDITIONS TO AVOID: Protect from (sun)light, open flame sources of heat and humidity. Keep away from heat, fire and sparks.

MATERIALS TO AVOID: Alkali material, such as lime and Bordeaux mixture will reduce fungicide activity.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: CSCI₂, HCl, SO_x, NO_x, CO, CO₂

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES:

Acute Oral LD ₅₀ (Rat):	> 5,000 mg/kg
Acute Dermal LD ₅₀ (Rat):	> 2,000 mg/kg
Acute Inhalation LC ₅₀ (Rat):	Not applicable
Eye Irritation (Rabbit):	Irritating to eyes.
Dermal Irritation (Rabbit):	Moderately irritating.
Dermal Sensitization (Guinea Pig):	A contact skin sensitizer

CARCINOGENICITY: No evidence of carcinogenicity was observed in long-term studies with rats.

MUTAGENICITY: Not mutagenic (in-vivo tests).

REPRODUCTION TOXICITY: Not teratogenic in animal experiments.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This pesticide is highly toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

13. DISPOSAL CONSIDERATIONS

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

PRODUCT DISPOSAL: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and in accordance with provincial requirements.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated.

INTERNATIONAL TRANSPORTATION:

MATERIAL SAFETY DATA SHEET

FOLPAN® 80WDG

Page 4 of 4

IMO (vessel): UN3077, Environmentally hazardous substances, solid, n.o.s. (Folpet), 9, PGIII

IATA (air): Not regulated

15. REGULATORY INFORMATION

CANADIAN REGULATIONS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the CPR.

INGREDIENTS DISCLOSURE LIST: Not applicable

U.S. FEDERAL REGULATIONS:

REGULATIONS UNDER FIFRA: All pesticides are governed under FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act). Therefore, the regulations presented below are pertinent only when handled outside of the normal use and applications of pesticides. This includes waste streams resulting from manufacturing/formulation facilities, spills or misuse of products, and storage of large quantities of products containing hazardous or extremely hazardous substances.

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.

Section 311/312: Acute health hazard (immediate)

Chronic health hazard (delayed).

Section 313: Folpet (80%) CAS#: 133-07-3

CERCLA RQ: No applicable.

CA PROP 65: This product contains a material (folpet) known to the State of California to cause cancer.

RCRA CLASSIFICATION: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

NFPA HAZARD RATINGS:

HEALTH:	2	0 Least
FLAMMABILITY:	0	1 Slight
REACTIVITY:	0	2 Moderate
		3 High
		4 Severe

MSDS DATE: 6-28-13. Supersedes version dated 9-30-09, 5-12-06. Changes made to Sections 1, 3, 4 and 8.

The information contained herein is given in good faith and is believed to be correct, but no warrant, express or implied, is made. Consult Makhteshim Agan of North America, Inc. for further information.