

MATERIAL SAFETY DATA SHEET

FOLPAN 80WDG

Page 1 of 4

1. IDENTIFICATION

Product name: **FOLPAN 80WDG**
Chemical name of active ingredient(s): N-(Trichloromethylthio)phthalimide
Manufacturer/Registrant: **SHANGHAI BOSMAN INDUSTRIAL CO., LTD**
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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. KEEP OUT OF REACH OF CHILDREN. POTENTIAL SKIN SENSITIZER. Harmful if inhaled. Avoid inhaling or breathing dust. Causes eye irritation. Do not get in eyes. May irritate skin. Avoid contact with skin.

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

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

In case of poisoning, call a physician or contact a poison control centre **IMMEDIATELY**.

IF ON SKIN: Remove contaminated clothing and wash skin thoroughly with soap and water.

IF IN EYES: Flush with water for 15 minutes and obtain medical attention.

IF SWALLOWED: Give patient one to two glasses of water and cause vomiting by inserting a finger down the throat. Repeat until the vomit fluid is clear. Obtain medical attention, or contact a poison control centre **IMMEDIATELY**.

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

NOTE TO PHYSICIAN: 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.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

FLAMMABLE LIMITS:

LFL/UFL: 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.

MATERIAL SAFETY DATA SHEET

FOLPAN 80WDG

Page 2 of 4

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: Refer to product label.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES

Appearance: Off-white granule

Odor: Faint odour(characteristic)

BULK DENSITY: 0.7 g/mL at 20°C

MATERIAL SAFETY DATA SHEET

FOLPAN 80WDG

Page 3 of 4

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):	0.7 mg/L (4-hr)
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

This pesticide is highly toxic to fish. Do not apply this product directly to freshwater habitats, estuaries or marine habitats. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes. Do not apply during periods of dead calm. Avoid application of this product when winds are gusty.

13. DISPOSAL CONSIDERATIONS

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

Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements. For information on the 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.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Pesticides, solid, toxic, N.O.S. (Folpet 80%), 6.1, UN2588, PGIII

B/L FREIGHT CLASSIFICATION: Item: 45617 [Fungicides, Herbicides, Insecticides, or Rodenticides] Class 92.5

INTERNATIONAL TRANSPORTATION:

IMO (vessel): Pesticides, solid, toxic, N.O.S. (Folpet 80%), 6.1, UN2588, PGIII, Marine pollutant

IATA (air): Pesticides, solid, toxic, N.O.S. (Folpet 80%), 6.1, UN2588, PGIII

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.

MATERIAL SAFETY DATA SHEET

FOLPAN 80WDG

Page 4 of 4

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.

CERCLA RQ: No applicable.

RCRA: 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.

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

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

TSCA STATUS: Not applicable.

16. OTHER INFORMATION

NFPA HAZARD RATINGS:

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

The information contained herein is given in good faith and is believed to be correct, but no warrant, express or implied, is made.