



Safety Data Sheet

SDS No.:
SDS-IM/FG-T/01

Takumi 20WDG

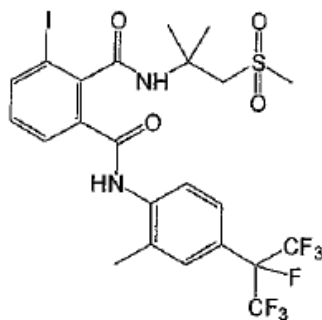
Revision: 0, 1st Issue

Page 1 of 5

Section 1: Identification of the Hazardous Chemical and of the Supplier

1.1 Product Identifier

Product Name: Flubendiamide 20WDG
Trade Name: Takumi 20WDG
Active Ingredient: Flubendiamide
CAS No.(AI): 272451-65-7
Structural Formula:



Flubendiamide

Recommended Usage: Insecticide

1.2 Supplier's Information

Address: Agricultural Chemicals (M) Sdn. Bhd.
962, Lorong Perusahaan 8
Taman Perindustrian Perai
13600 Perai , Pulau Pinang
Malaysia
Tel.: +6-04-3907988
Fax: +6-04-3905703
Web: www.agrichem.com.my
Emergency Phone: +6-04-3907988

Section 2: Hazard Identification

Classification: Not classified as hazardous under CLASS Regulations.
Pictogram: Not applicable
Signal Word: Not applicable
Hazard Statement: Not applicable
Precautionary Statement: Not applicable

Section 3: Composition and Information of the Ingredients of the Hazardous Chemical

Component	CAS No.	Percent, %	Hazard Code
Flubendiamide	272451-65-7	20	-
Inert Ingredients	-	80	-



Safety Data Sheet

SDS No.:
SDS-IM/FG-T/01

Takumi 20WDG

Revision: 0, 1st Issue

Page 2 of 5

Section 4: First-aid Measures

Inhalation:	Remove individual to fresh air. Get medical attention if ill effect occur.
Skin Contact:	Remove contaminated clothing. Wash with large quantities of water and soap. If irritation persists, get medical attention.
Eye Contact:	Flush eyes with plenty of water at least 15 minutes. Get medical attention immediately.
Ingestion:	If swallowed, rinse mouth with water, and give one or two glasses of water to drink. Keep patient at rest and get medical attention. Do not induce vomiting.
Symptoms:	No data available.
Notes to Physician:	No data available.

Section 5: Fire-fighting Measures

Suitable Extinguishing Media:	Water spray, foam, dry chemical powder, carbon dioxide.
Specific Hazard During Fire:	No data available.
Special Protective Equipment:	Fire fighter should wear full-face, self-contained breathing apparatus and impervious protective clothing. Avoid extinguishing media flow into pond, river and lake.

Section 6: Accidental Release Measures

Personal Precautions:	Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Environmental Precautions:	Avoid release to the environment.
Method for Cleaning Up:	Evacuate non-essential personnel. Wear proper equipment. Carefully sweep up and place in a container for waste disposal. Avoid raising dust. Wash the spillage area with water. Washings should not be poured into drains or waterway. Prevent spills from entering sewers, watercourses or low areas.

Section 7: Handling and Storage

Precautions for Safe Handling:	Use with adequate ventilation. Avoid contact with skin and eyes. Do not breathe dust or vapor. Wash face and hands thoroughly with soap and water after handling.
Conditions for Safe Storage:	Avoid direct sunlight. Store in a cool, dry and well-ventilated place. Keep in original containers, tightly closed. Keep away from food,



Safety Data Sheet

SDS No.:
SDS-IM/FG-T/01

Takumi 20WDG

Revision: 0, 1st Issue

Page 3 of 5

Incompatibles: drink and animal feeding stuffs and out of reach of children. Keep locked up.
No data available.

Section 8: Exposure Control and Personal Protection

Exposure Limit: Not established.
Engineering Control: If practical, use with adequate ventilation in the working area.
Make available in the work area emergency shower and eye wash.
Personal Protective Equipment:
Eye Protection: Wear chemical safety goggles.
Skin Protection: Wear suitable protective clothing and gloves to prevent skin contact. Wash contaminated skin promptly.
Respiratory Protection: Wear approved respiratory protection equipment.

Section 9: Physical and Chemical Properties

Appearance: Brown fine granule
Odour: Characteristic odour
Odour Threshold: No data available
pH: 5.0 – 8.0 / 20°C (1% water suspension)
Melting/Freezing Point: No data available
Initial Boiling Point: No data available
Boiling Range: No data available
Flash Point: No data available
Evaporation Rate: No data available
Flammability: No data available
Upper Flammability Limit: No data available
Lower Flammability Limit: No data available
Vapour Pressure: No data available
Vapour Density: No data available
Relative Density: 0.65 – 0.75 (bulk density)
Solubility in Water: Dispersible in water
Partition Coefficient $P_{o/w}$: No data available
Auto-ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available

Section 10: Stability and Reactivity

Reactivity: No data available
Chemical Stability: This product is stable under normal warehouse conditions.
Hazardous Reaction: No data available.



Safety Data Sheet

SDS No.:
SDS-IM/FG-T/01

Takumi 20WDG

Revision: 0, 1st Issue
Page 4 of 5

Condition to Avoid: No data available.
Incompatible Material: No data available.
Hazardous Decomposition Product: Combustion or thermal decomposition will evolve toxic and irritant vapours (CO, NO_x, SO_x etc.).

Section 11: Toxicological Information

11.1 Acute Toxicity

Oral, LD ₅₀			
	Rat (female)	>2,000 mg/kg	
Dermal, LD ₅₀ :			
	Rat (male, female)	>2,000 mg/kg	

11.2 Chronic Effect from Short and Long Term Exposure

Carcinogenicity: No data available.
Mutagenicity: No data available.
Teratogenicity: No data available.
Skin contact: Not irritating (Rabbit)
Eye contact: Mildly irritating (Rabbit)
Skin sensitization: Not a sensitizer (Guinea pig)

11.3 Symptoms No data available.

Section 12: Ecological Information

Ecotoxicity:

Aquatic Organism Toxicity:			
Carp			
	LC ₅₀ (48h,96h)	677 ppm	
Daphnia			
	EC ₅₀ (48h)	0.00431 ppm	
Algae			
	EbC ₅₀ (72h)	>1000 ppm	
	<i>*Selenastrum capricornutum</i>		

Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
Other Adverse Effect: No data available.



Safety Data Sheet

SDS No.:
SDS-IM/FG-T/01

Takumi 20WDG

Revision: 0, 1st Issue
Page 5 of 5

Section 13: Disposal Information

Dispose of contents/container to Kualiti Alam or in accordance to local regulation.

Section 14: Transportation Information

Land (ADR/RID)	Not applicable
Sea (IMDG)	Not applicable
Air (IATA)	Not applicable

Section 15: Regulatory Information

Classification: Not classified as hazardous under CLASS Regulations.
Pictogram: None.
Signal Word: None.
Pesticides Act: Class IV
Classification: -

Section 16: Other Information

Date of Preparation: 4 February 2016
Date of Revision: -
Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014
GHS Purple Book

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.