

MATERIAL SAFETY DATA SHEET



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STATEMENT OF HAZARDOUS NATURE

Not hazardous according to criteria of National Occupational Health and Safety Commission.

COMPANY DETAILS:

Company: Bayer CropScience Pty Ltd ABN 87 000 226 022
Address: 391 - 393 Tooronga Road, East Hawthorn, Victoria 3123
Australia
Telephone/Facsimile: (03) 9248 6888/(03) 9248 6800
Website Address: www.bayercropscience.com.au
Emergency Telephone Number: 1800 033 111 – Orica SH&E Shared Services

IDENTIFICATION

Product Name: **Taipan® Herbicide**
Other Names: None assigned
Manufacturer's Product Code: EXP31748A
SAP Product Code: 16996 (20 L)
UN Number: Not applicable
Dangerous Goods Class and Subsidiary Risk: Not classified as Dangerous Goods for transport by road or rail
Hazchem Code: Not applicable
Proper Shipping Name: Not applicable
Packing Group: Not applicable
EPG: Not applicable
Chemical Family: Pyrazole
Poisons Schedule Number: 5
Use: Agricultural herbicide for rice

Physical Description/Properties

Appearance: Viscous cream suspension with negligible odour
Boiling Point: Greater than 100°C
Vapour Pressure: 1.33×10^{-5} Pa at 30° C
Specific Gravity: 1.08 at 20°C
Flashpoint: Non flammable
Flammability Limits: Not determined
Solubility in Water: Suspends

Other Properties:

pH: 7.5 to 8.5
Formulation: Suspension concentrate

Ingredients:

Chemical Name:	CAS Number:	Proportion g/L:
Benzofenap	[82692-44-2]	300
Other ingredients including water	(non hazardous)	780

TAIPAN HERBICIDE

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HEALTH HAZARD INFORMATION

Health Effects:

Acute:

Swallowed: This product has a low acute oral toxicity, but may be harmful if a large amount is swallowed.

Eye: May irritate the eyes.

Skin: May irritate the skin. Studies indicate that the active ingredient in this product, benzofenap, is a weak skin sensitiser.

Inhaled: Low toxicity by inhalation.

Chronic: Benzofenap was not mutagenic and not teratogenic in animal studies.

First Aid: **If poisoning occurs, immediately contact a doctor or Poisons Information Centre (telephone 13 11 26), and follow the advice given. Show this Material Safety Data Sheet to a doctor.**

Swallowed: Wash out mouth with water. Do not induce vomiting. Keep patient at rest and seek medical advice as above.

Eye: Rinse immediately with clean water for at least 15 minutes and obtain medical aid.

Skin: Carefully remove contaminated clothing. Wash affected areas with soap and water. Seek medical aid if at all worried.

Inhaled: Remove victim to fresh air and keep at rest. Obtain medical advice if at all worried.

First Aid Facilities: Provide washing facilities in the workplace.

Advice to Doctor: For local contamination treatment should be symptomatic after decontamination. In case of skin or eye contamination, treat as documented under "First Aid". For systemic poisoning initial treatment should be symptomatic and supportive. No specific antidote is known.

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PRECAUTIONS FOR USE

- Exposure Standards:** No exposure standard has been assigned by the National Occupational Health and Safety Commission.
- Engineering Controls:** Control process conditions to avoid contact. Use only in a well-ventilated area.
- Personal Protection:** This product has a low toxicity, but if exposure to a large amount is likely, the following protection is recommended:
- Eyes:** Wear glasses or goggles.
 - Clothing:** Wear long-sleeved overalls.
 - Gloves:** Wear elbow length PVC gloves.
 - Respiratory:** Not normally required. Wear a mask or respirator if inhalation of spray is possible.
 - Other:** Do not eat, drink or smoke until after washing. Wash thoroughly after handling. After each day's use, wash gloves, glasses or goggles and contaminated clothing.
- Flammability:** Non flammable

SAFE HANDLING INFORMATION

Storage and Transport:

Corrosivity Hazards: Not corrosive

Handling & Storage Precautions: Keep out of reach of children. Avoid contact with eyes and skin. Store in the closed original container in a cool, dry, dark, well-ventilated area. Do not store for prolonged periods in direct sunlight. Store in locked room or place away from children, animals, food, animal feed, seed and fertilisers.

Transport: The product is not classified as Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Spills and Disposal:

Spillage or Leak Procedures: Avoid contact with spilled material or contaminated surfaces. Wear personal protective clothing and equipment as detailed in 'Personal Protection' section above. Prevent spilled material from entering drains or watercourses. Contain spill and absorb with earth, sand, clay or other absorbent material and store in properly labelled, sealed drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc. is unavoidable, warn the local water authority. Neutralising chemicals are not needed.

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SAFE HANDLING INFORMATION - continued

Waste Disposal Methods: Triple (or preferably) pressure rinse containers before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Dispose of waste product via a licensed disposal contractor to an approved landfill.

Fire/Explosion Hazard:

Extinguishing Media: Water, foam, carbon dioxide

Special Fire Fighting Procedures: Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716), as toxic decomposition products may be produced in a fire. If it can be done safely, remove intact containers from the fire. Otherwise, use water spray to cool them. Bund area to prevent contamination of water sources. Dispose of fire control extinguishing agent and spillage later in a safe manner.

Reactivity Hazards: Stable under normal conditions of use. Avoid high temperatures. Incompatible with strong acids and alkalis.

OTHER INFORMATION:

Animal toxicity data (benzofenap):	Oral LD ₅₀ (mg/kg)	> 15,000	Species	Rat & mouse
	Dermal LD ₅₀ (mg/kg)	> 5,000	Species:	Rat & mouse
	Inhalation LC ₅₀ (mg/L)	> 1.93 (4 h)	Species:	Rat
	Eye irritation	Slightly irritating	Species:	Rabbit
	Skin irritation	Slightly irritating	Species:	Rabbit
	Sensitisation	Weak sensitiser	Species:	Guinea pig

Environmental / Ecological Effects (benzofenap): Dangerous to fish. Low hazard to birds.

Fish toxicity: LC₅₀ (48 h) for rainbow trout and carp > 10 mg/L
Bird toxicity: Acute oral LD₅₀ for bobwhite quail > 5200 mg/kg; for mallard ducks > 2000 mg/kg
Other: LC₅₀ (3 h) Daphnia > 10 mg/L

DO NOT contaminate streams, rivers or waterways with the chemical or used containers.

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Special Precautions / None
Comments:

Data Sources / Bayer CropScience Pty Ltd product safety data and published data
References:

CONTACT POINT:

Emergency Contact Number: 1800 033 111 (Orica SH&E Shared Services)
Development Manager: (03) 9248 6888

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

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