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SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name DAVID GRAYS PHOS-INJECT 200 FUNGICIDE
Synonym(s) 50820 - MANUFACTURER CODES • FUNGICIDE
APVMA No: 56633

1.2 Uses and uses advised against

Use(s) Plant-Fungicide

1.3 Details of the supplier of the product

Supplier name DAVID GRAY & CO PTY LIMITED
Address 2 Rawlinson St, O'Connor, WA, 6961, AUSTRALIA
Telephone (08) 9337 4933
Email general@davidgray.com.au
Website <http://www.davidgray.com.au>

1.4 Emergency telephone number(s)

Emergency (08) 9337 4933 (B/H)

2. HAZARDS IDENTIFICATION

2.1 Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Not classified as hazardous according to criteria of Safe Work Australia

Hazard Classification

GHS SIGNAL WORD: NONE:

Poison Schedule: Non Allocated

Prevention:

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Disposal:

P501 Dispose of contents/container in accordance with local/regi.

Storage:

P410, P402, P404: Protect from Sunlight. Store in a dry place. Store in a closed container.

Response Precautionary Statements

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

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3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

Ingredient	CAS Number	Classification	Content
PHOSPHOROUS (present as mono and di potassium phosphate salts)	100294-56-1	Not Available	200 g/L
Ingredient determined to be non hazardous	Not Available	Not Available	Balance

4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.
Ingestion	For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.
Advice to doctor	Treat symptomatically.
First aid facilities	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

Flammability	Non flammable. May evolve toxic gases (carbon/ nitrogen/ phosphorus oxides) when heated to decomposition.
Fire and explosion	No fire or explosion hazard exists
Extinguishing	Use an extinguishing agent suitable for the surrounding fire.
Hazchem code	None allocated.

6.0 ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Contact emergency services where appropriate.

Environmental precautions

Prevent product from entering drains and waterways.

Methods of cleaning up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

References

See Sections 8 and 13 for exposure controls and disposal.

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7.0 HANDLING AND STORAGE

Storage	Store in original container in a locked, well-ventilated area out of direct sunlight and away from any ignition sources. Keep away from foodstuffs and children. Store in a cool, dry, well-ventilated area, removed from incompatible substances, iron, steel and zinc containers. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking, and smoking in contaminated areas.

8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Phosphorous (present as mono and di potassium phosphate salts)	SWA (AUS)	--	--	--	--

Biological limits	No biological limit allocated.
Engineering controls	Avoid inhalation. Use in well ventilated areas. Maintain dust levels below the recommended exposure standard.
PPE	
Eye / Face	Wear goggles or glasses while handling this product
Hands	Wear PVC or rubber gloves.
Body	When using large quantities or where heavy contamination is likely, wear coveralls.
Respiratory	Not required under normal conditions of use, and if used as per instructions.



9.0 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	CLEAR LIQUID
Odour	ODOURLESS
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	NOT AVAILABLE
Vapour density	NOT AVAILABLE
Specific gravity	1.22
Solubility (water)	SOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT

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% Volatiles NOT AVAILABLE

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended conditions of storage

Conditions to avoid: Avoid heat, sparks, open flames and other ignition sources.

Material to avoid: May release ammonia vapour upon exposure to basic (alkaline) chemicals. Protect the product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.

Hazardous Decomposition: May evolve toxic gases if heated to decomposition. Nitrogen Oxides.

Hazardous Reactions: Polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

Health Hazard Minor toxicity - Use safe work practices to avoid eye or skin contact and inhalation.

Summary Cumulative poison. Toxic to non target animals and aquatic organisms. Keep out of reach of children and animals.

Eye Low Irritant. Contact may result in irritation, lacrimation, pain, redness, blurred vision and conjunctivitis.

Inhalation Low irritant. Due to low percentage of the active ingredient present, an inhalation hazard is not anticipated under normal conditions of use.

Skin Low Irritant. Contact may result in irritation, redness, pain and rash.

Ingestion Large amounts may be harmful.

Toxicity data

Chronic effects adverse to the health are not considered for the components in this liquid. Exposure by all routes should be minimised as a precaution.

Hazards for individual components: No data available.

12 ECOLOGICAL INFORMATION

Toxicity No information provided.

Persistence and degradability No information provided.

Bioaccumulative potential No information provided.

Mobility in soil No information provided.

Other adverse effects No information provided.

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13 DISPOSAL CONSIDERATIONS

Waste disposal	For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For larger amounts contact the manufacturer/supplier for additional specific information. Prevent contamination of drains or waterways as aquatic life may be threatened and environmental damage may result.
Legislation	Dispose of in accordance with relevant local legislation.

14 TRANSPORT INFORMATION

NOT CLASSIFIED AS DANGEROUS GOODS BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA.

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN Number	None Allocated	None Allocated	None Allocated
Proper Shipping Name	None Allocated	None Allocated	None Allocated
Transport Hazard Class	None Allocated	None Allocated	None Allocated
Packing Group	None Allocated	None Allocated	None Allocated

Environmental hazards No information provided.

Special precautions for user

Hazchem code None Allocated

15 REGULATORY INFORMATION

Poison schedule Not Classified – as per the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Inventory Listing(s) **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**
All components are listed on AICS or are exempt.

16 OTHER INFORMATION

Additional information

RESPIRATORS: In general, the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

SYNERGISM - ANTAGONISM: Ingredients in this product may act together to aggravate or reduce adverse effects. Accordingly, the time weighted average concentration (TWA) provided for single ingredients should be considered as a guide only and all due care exercised when handling.

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PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

This Safety Data Sheet has been developed according to the Worksafe Australia Codes of Practice.

Hazard and precautionary statements according to classification under GHS (Globally Harmonised System) of Classification and Labelling.

The information contained herein is given in good faith however and is considered to be accurate at the specified issue date. No warranty expressed or implied is made to the accuracy or completeness of the data and information contained herein. No person, other than an authorised representative of David Gray & Company Pty Ltd, has the authority to make any alterations to this SDS.

Contact David Gray & Co Pty Limited for further product information on (08) 9337 4933 during normal business hours.

[End of SDS]