

# SAFETY DATA SHEET    DAVID GRAYS MALATHION GRAIN DUST

SDS REVISIONS: 2A

DATE OF ISSUE: 10/04/2023

**FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL DAVID GRAY & CO. PTY LTD (08) 9337 4933**

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 PRODUCT IDENTIFIER:**  
**TRADE NAME:**                    DAVID GRAYS MALATHION GRAIN DUST
- 1.2 RECOMMENDED USE:**        INSECT CONTROL
- 1.3 MANUFACTURED FOR AND DISTRIBUTED BY:**  
 DAVID GRAY & CO. PTY LTD  
 2 RAWLINSON STREET, O'CONNOR, 6163, WESTERN AUSTRALIA
- 1.4 Emergency Phone: (08) 9337 4933**

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

Acute Toxicity - Oral	Category 4	H302
Acute Toxicity - Inhalation (Dusts/Mists)	Category 3	H331
Skin Sensitization	Category 1	H317
Carcinogenicity	Category 1B	H350

### 2.2 Label elements



Signal word:                    DANGER  
 Hazard Statement:        H302 - Harmful if swallowed.  
                                      H317 - May cause an allergic skin reaction.  
                                      H331 - Toxic if inhaled.  
                                      H350 - May cause cancer.

Precautionary Statement:                    P201 - Obtain special instructions before use.  
 (Prevention):                    P202 - Do not handle until all safety precautions have been read and understood.  
    P281 - Use personal protective equipment as required.  
    P264 - Wash face, hands, and any exposed skin thoroughly after handling.  
    P270 - Do not eat, drink or smoke when using this product.  
    P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.  
    P271 - Use only outdoors or in a well-ventilated area.  
    P272 - Contaminated work clothing should not be allowed out of the workplace.  
    P280 - Wear protective gloves.

Precautionary Statement:                    P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.  
 (Response):                    P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
    P304+P340: IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
    P311 - Call a POISON CENTRE or doctor/physician.  
    P330 - Rinse mouth.  
    P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
    P363 - Wash contaminated clothing before reuse.

Precautionary Statement:                    P405 - Store locked up.  
 (Storage):                        P403+P233 - Store in a well-ventilated place. Keep container tightly closed.





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## 8.2 EXPOSURE CONTROLS:

### Engineering Measures

### Individual Protection Measures:

Eye / Face Protection: Goggles or shielded safety glasses are recommended.

Skin Protection: Long-sleeved shirt and long pants. Shoes plus socks. Chemical-resistant gloves, except for pilots. Chemical-resistant apron for mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment. Wear respiratory protection during operations where spraying or misting occurs. Wear NIOSH-certified air-purifying respiratory protection with an N, P or R95 or HE class filter and organic vapour cartridge if necessary. Wear air supplied respiratory protection if exposure concentrations are unknown or if air-purifying respirators may not provide adequate protection.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1 APPEARANCE:	Solid
ODOUR:	Slight mercaptan.
ODOUR THRESHOLD:	No data available.
COLOUR:	Off-white to light tan.
pH:	No data available
MELTING POINT / FREEZING POINT:	No data available
BOILING POINT:	No data available
FLASH POINT:	No data available
FLAMMABILITY (solid, gas):	No data available.
UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	No data available
VAPOUR PRESSURE:	No data available.
SOLUBILITY:	Insoluble.
PARTITION CO-EFFICIENT, n-OCTANOL / WATER:	No data available.
AUTO-IGNITION TEMPERATURE:	No data available.
DECOMPOSITION TEMPERATURE:	No data available.
VISCOSITY [Dynamic]:	No data available.
SPECIFIC GRAVITY (Water = 1):	0.48 - 0.64 g/ml
DENSITY:	480 - 640 kg/m <sup>3</sup>

Note: These physical data are typical values based on material tested but may vary from sample to sample.  
Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

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## 10. STABILITY AND REACTIVITY

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### 10.1 REACTIVITY

Stable

### 10.2 CHEMICAL STABILITY

Unstable at elevated temperatures.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Will not polymerize.

### 10.4 CONDITIONS TO AVOID

Extremes of temperature and direct sunlight.

### 10.5 INCOMPATIBLE MATERIALS

Avoid contact with strong bases, strong oxidizing agents and strong acids.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None known.

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## 11 TOXICOLOGICAL INFORMATION

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### 11.3 LIKELY ROUTES OF EXPOSURE

Ingestion. Eye contact. Inhalation.

LC<sub>50</sub> (rat): Malathion: 43790 µ/m<sup>3</sup> (4 HR).

LD<sub>50</sub> Oral (rat): Malathion: 1390 mg/kg

LD<sub>50</sub> Dermal (rabbit): Malathion: 4100 mg/kg

Acute Toxicity Estimates: No data available

Skin Irritation (rabbit): No data available.

Eye Irritation (rabbit): No data available.

Specific Target Organ Toxicity: Blood, Central Nervous System, Central vascular system, Eye damage/irritation, Liver, Respiratory system, skin, Gastrointestinal tract (GI).

Aspiration: No data available.

Skin Sensitization (guinea pig): Skin sensitizer - Category 1



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**16        OTHER INFORMATION**

This document has been compiled on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

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