



# DAVID GRAY & CO PTY LIMITED

A.C.N. 008 671 127

2 Rawlinson Street O'Connor PO Box 2084 Palmyra DC  
Western Australia 6961

Ph (08) 9337 4933 Fax (08) 9337 8316

Internet: [www.davidgray.com.au](http://www.davidgray.com.au) (MSDS's & Company Information)  
**Emergency Telephone Number (08) 9337 4933 (During Office Hours)**

Date of Issue: January 2015

Page 1 of 4

## MATERIAL SAFETY DATA SHEET

### IDENTIFICATION

CLASSIFIED AS NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

**PRODUCT NAME:** David Grays Vegetable Derris Dust

**OTHER NAME:** None allocated  
**MANUFACTURERS CODE:** 9051 (12x500g)  
**PROPER SHIPPING NAME (ADG Code):** None allocated  
**UN NUMBER:** None allocated  
**DANGEROUS GOODS CLASS:** None allocated  
**SUBSIDIARY-RISK:** None allocated  
**PACKING GROUP:** None allocated  
**HAZCHEM CODE:** None allocated  
**POISONS SCHEDULE:** Not a scheduled poison  
**USE:** Controls aphids and caterpillars on vegetables, strawberries and vines in the home garden

### PHYSICAL DESCRIPTION / PROPERTIES

**APPEARANCE:** white/off white powder  
**MELTING POINT:** Not applicable  
**BOILING POINT:** Not applicable  
**VAPOUR PRESSURE:** Not applicable  
**DENSITY:** Not applicable  
**FLASH POINT:** Not applicable  
**FLAMMABILITY LIMITS:** Not applicable  
**SOLUBILITY IN WATER:** Not soluble  
**CORROSIVENESS:** Not corrosive  
**OTHER PROPERTIES:** Not applicable

### INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Rotenone	83-79-4	5g/kg
Ingredients determined to be non hazardous	-	To 100%

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

**HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia):** Not applicable

**RISK PHRASES:** Not applicable for rotenone at the concentration in the product

**SAFETY PHRASES:** Not applicable for rotenone at the concentration in the product

#### **GENERAL:**

No adverse health effects are expected when the product is used in accordance with label directions. Poisoning symptoms include dizziness, nausea, vomiting, incoordination, abdominal cramps, and convulsions.

#### **ACUTE**

##### **SWALLOWED:**

The acute oral toxicity is low. Oral LD50 (rat) 150 - 1500mg/kg bw (Rotenone).

Calculated for product Oral LD50 (rat) >30000mg/kg bw

##### **EYE:**

Moderate eye irritant.

##### **SKIN:**

The acute dermal toxicity is very low. Repeated skin contact may cause allergic reactions.

Dermal LD50 (rabbits) >5000 mg/kg (Rotenone).

Calculated for product Dermal LD50 (rabbit) >1kg/kg bw

##### **INHALED:**

The acute inhalation toxicity is low. Prolonged exposure to the dust may cause eye and respiratory irritation, dizziness and headaches.

Inhalation LD50 (rat) = 0.02 mg/L (Rotenone).

##### **CHRONIC:**

Rotenone does not cause generic change or accumulate in the body.

Avoid prolonged or repeated skin contact. More toxic by inhalation than ingestion.

### FIRST AID

#### **GENERAL:**

In every case of suspected poisoning contact a doctor or a Poisons Information Centre immediately.

#### **SWALLOWED:**

Seek medical attention immediately. Do not induce vomiting.

**NOTE:** Do not give fluids/tablets if patient is unconscious or convulsing.

#### **EYE:**

Hold eyelids open and flush eyes with water for at least fifteen minutes. Seek medical attention if symptoms occur.

#### **SKIN:**

Immediately remove contaminated clothing and wash skin thoroughly with soap and water for at least fifteen minutes. If symptoms of poisoning occur, seek medical attention immediately.

**INHALED:**

Immediately remove patient to fresh air. If difficulty in breathing is experienced, give oxygen and artificial respiration if necessary. Seek medical attention if symptoms occur.

**FIRST AID FACILITIES:**

Soap, water, Ipecac Syrup APF.

**ADVICE TO DOCTOR:**

Treat symptomatically

## PRECAUTIONS FOR USE

**EXPOSURE STANDARDS:**

Worksafe Occupational Exposure Standard (TWA – Time Weighted Average)  
Rotenone 5mg/m<sup>3</sup>

Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

**ENGINEERING CONTROLS:**

Use only in a well ventilated area (external use only).

**PERSONAL PROTECTION:**

When handling the product use gloves. A dust mask and eye protection is also recommended. Remove contaminated clothing immediately and wash thoroughly. Wash hands, face and arms immediately after use and before eating and drinking.

**FLAMMABILITY:**

Product is not flammable

## SAFE HANDLING INFORMATION

**STORAGE**

Store product in original container only in a locked, well-ventilated area, out of direct sunlight and out of the reach of children. Keep away from foodstuffs.

**TRANSPORT**

Product is not classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**SPILLAGE**

Wear appropriate clothing while cleaning up spill (see Personal Protection). Prevent entry into drainage systems, waterways, rivers, etc. Sweep up the material. If product spilt indoors, wash contaminated surfaces with mild bleach solution (sodium hypochlorite).

**DISPOSAL**

Disposal of contaminated material must be done in accordance with State and/or Local regulations. Dispose of empty container by wrapping in paper bag, placing in a plastic bag and putting in garbage. Do not burn empty containers or product. Do not allow chemical containers, to contaminate drains, sewers, streams, ponds or any waterway. or product. Do not allow chemical containers, spray or washing's to contaminate drains, sewers, streams, ponds or any waterway.

**FIRE/EXPLOSION HAZARD**

Not a fire or explosion hazard

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of carbon

**FIRE FIGHTING EQUIPMENT:**

Foam, carbon dioxide (CO<sub>2</sub>), or dry chemical extinguishers may be used. Run-off must be contained.

<h2>OTHER INFORMATION</h2>
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**ECOTOXICITY DATA:**

Rotenone is highly toxicity to fish. Rotenone has a low toxicity to pets and livestock generally but is very toxic to pigs.

Rotenone does not bioaccumulate in animal systems.

**ENVIRONMENTAL FATE:**

In soil, Rotenone is readily degraded by hydrolysis and microbial action. Rotenone degradation is highly accelerated in alkaline soils. This compound will degrade rapidly when exposed to direct sunlight and air.

## CONTACT POINT

**TITLE:** Technical Department

**TELEPHONE NUMBER:** (08) 9337 4933

**AUTHORISED:** **Technical Department**

**DATE:** 12 January 2015

**NOTICE:**

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

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 MSDS.

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