

## **SAFETY DATA SHEET**

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA

### **SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

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**TELEPHONE:** (08) 9337 4933 (office hours)

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**PRODUCT NAME**

David Grays Lime Sulphur Insecticide / Fungicide

**RECOMMENDED USE:**

Domestic fungicide and insecticide.

### **SECTION 2 - HAZARDS IDENTIFICATION**

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF SAFE WORK AUSTRALIA  
NOT CLASSIFIED AS A DANGEROUS GOOD.  
NOT A SCHEDULED POISON.

**PHYSICAL HAZARDS:** Not Classified

**HEALTH HAZARDS:** Skin Irritation Category 2

**ENVIRONMENTAL HAZARDS:** Not Classified

**Label elements**

**GHS Signal Word:** WARNING



#### **HAZARD STATEMENT:**

H315: Causes skin irritation

#### **PREVENTION**

P102: Keep out of reach of children.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash contacted areas thoroughly after handling.

P281: Use personal protective equipment as required.

#### **RESPONSE**

P352: Wash with plenty of soap and water.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

#### **STORAGE**

P410: Protect from sunlight.

P404: Store in a closed container.

P403+P235: Store in a well-ventilated place. Keep cool.

#### **DISPOSAL**

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in household waste for landfill. For larger quantities that cannot be recycled, dispose of contents and container to approved landfill (see Section 13 of this SDS).

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS Number	Concentration
Sulphur (S) as Polysulfide Sulphur	7704-34-9	200g/L
Water and other non-hazardous ingredients	Not available	balance

## SECTION 4 - FIRST AID MEASURES

**GENERAL INFORMATION:** If in doubt, get medical attention promptly. Show this Safety Data Sheet to medical personnel.

**EYES:** Hold eyelids open and rinse the eye continuously with a gentle stream of clean running water for at least fifteen minutes. Seek medical attention if any irritation persists.

**SKIN:** Remove contaminated clothing and wash thoroughly with soap and water. Use water alone, if soap is unavailable. Apply a moisturising hand cream, if available. Seek medical attention if any soreness or inflammation of the skin persists or develops later. Launder affected clothing before re-use.

**INGESTION:** Rinse mouth out with water ensuring that mouth wash is not swallowed. Give about 250mL (2 glasses) of water to drink. DO NOT attempt to induce vomiting. Seek medical attention as a precautionary measure.

**INHALATION:** First aid is unlikely to be required as a result of exposure during normal use. If symptoms occur, remove to fresh air. Keep warm and at rest. Seek medical attention if symptoms persist.

**Additional Information:**

**First Aid Facilities:** Not required.

**Advice to Doctor:** Treat symptomatically.

## SECTION 5 - FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Non-combustible liquid. Extinguish fire using whatever is suitable for the primary cause of the fire. Carbon dioxide, dry chemical, foam or water fog are all suitable.

**HAZARDS FROM COMBUSTION PRODUCTS:** This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms oxides of sulphur.

**PROTECTIVE EQUIPMENT:** Fire fighters should wear self-contained breathing apparatus. Keep containers as cool as possible by spraying with water from a protected position.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

**EMERGENCY PROCEDURES:** Wear protective equipment as specified for handling (See Section 8).

**SPILLS:** Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. Cover with an absorbent such as sand, earth or a commercial oil absorbent such as vermiculite. Sweep up and collect into labelled containers for recycling or disposal. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services.

## SECTION 7 - HANDLING AND STORAGE

**SAFE HANDLING PRECAUTIONS:** Avoid eye and skin contact.

**SAFE STORAGE PRECAUTIONS:** Keep out of reach of children. Protect the product from light. Keep closed, in the original container, in a cool, well-ventilated area out of direct sunlight.

## SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EXPOSURE STANDARDS:**

Exposure standards have not been set for this product nor any of its ingredients

Exposure standards represent the airborne concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. The exposure standard can be of three forms; time-weighted average (TWA), peak, or short-term exposure limit (STEL).

**BIOLOGICAL LIMIT VALUES:** None allocated

**ENGINEERING CONTROLS:** Ventilation requirements depend on the quantity of product in use and the method of application. If using large quantities in an indoor area, then mechanical ventilation may be required. Otherwise, natural ventilation is adequate for normal use of this product.

**PERSONAL PROTECTION:** Requirements depend on working conditions, method of application and quantity of product in use. No special equipment is required for handling small quantities, but safety glasses or goggles should be worn if necessary to prevent eye contact. Nitrile, neoprene, PVC or natural rubber gloves should be worn if necessary to prevent skin contact. Respiratory protection is unlikely to be required for normal use of this product. Avoid inhaling spray mists.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

<b>Physical Description &amp; colour:</b>	Pale yellow, water based liquid
<b>Odour:</b>	Hydrogen sulphide (rotten egg) type odour
<b>Boiling Point:</b>	Approximately 100°C
<b>Melting Point:</b>	Approximately 0°C
<b>Volatiles:</b>	Water component only.
<b>Vapour Pressure:</b>	17.7 mmHg at 20°C or 2.37 kPa at 20°C (same as water)
<b>Vapour Density:</b>	As for water.
<b>Specific Gravity:</b>	1.00 at 25°C
<b>Water Solubility:</b>	Completely miscible
<b>pH:</b>	No data available.
<b>Volatility:</b>	Negligible.
<b>Evaporation Rate:</b>	Negligible.
<b>Auto ignition temp:</b>	None
<b>Flash point:</b>	None
<b>Upper Flammability Limit:</b>	None
<b>Lower Flammability Limit:</b>	None

## SECTION 10 - STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable under normal conditions of use and storage

**CONDITIONS TO AVOID:** Keep out of reach of children. Avoid exposure to light. Keep in the original container in a cool, well-ventilated area.

**INCOMPATIBLE MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** May evolve toxic fumes if heated to decomposition after the water content has evaporated.

**HAZARDOUS REACTIONS:** None known.

**POLYMERISATION:** Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

**ACUTE - SWALLOWED:** Large doses may cause irritation, nausea and vomiting

**ACUTE - EYE:** May cause irritation. No other symptoms are anticipated once exposure has ceased.

**ACUTE - SKIN:** This product is a skin irritant.

**ACUTE - INHALED:** Spray mists are unlikely to be irritating.

### CHRONIC HEALTH EFFECTS PYRETHRIN

No specific target organ toxicity has been identified.

Not listed as a carcinogen by Safe Work Australia, the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the National Institute for Occupational Safety and Health (NIOSH), or the Occupational Health and Safety Administration (OSHA).

No additional data available

## SECTION 12 - ECOLOGICAL INFORMATION

### Sulphur

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 53 mg/l - 96 h Remarks: (in analogy to similar products)(ECHA) Toxicity to daphnia and other aquatic invertebrates static test EC50 - Ceriodaphnia (water flea) - 121.7 mg/l - 48 h (US-EPA) Remarks: (in analogy to similar products) Toxicity to algae static test ErC50 - Chlorella

vulgaris (Fresh water algae) - 2,700 mg/l - 18 Days Remarks: (in analogy to similar products)(ECHA) Toxicity to bacteria static test EC50 - activated sludge - 1,618 mg/l - 30 min (OECD Test Guideline 209)

**BIODEGRADABILITY:** The methods for determining biodegradability are not applicable to inorganic substances.

**BIOACCUMULATION:** Potential for bio concentration in aquatic organisms is low.

## SECTION 13 - DISPOSAL CONSIDERATIONS

**DISPOSAL:** Small volumes may be disposed to household waste. For large volumes, recycling is the preferred option but if that is not practicable, dispose to approved landfill.

## SECTION 14 - TRANSPORT INFORMATION

This product is not a dangerous good according to the Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), the International Maritime Dangerous Goods Code (IMDG) nor the International Air Transport Association (IATA) criteria.

UN Number: None allocated

Proper shipping name: None allocated

DG Class: None allocated

HazChem code: None allocated

Packing group: None allocated

## SECTION 15 - REGULATORY INFORMATION

All ingredients in this formulation are listed in the Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme (NICNAS).

## SECTION 16 - OTHER INFORMATION

### REFERENCES

1. National Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals, 2011
2. Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC: 1003(1995)] and subsequent amendments
3. Australian Code for the Transportation of Dangerous Goods by Road and Rail (ADG Code), 7.7<sup>th</sup> Edition, 2020
4. Standard for the Uniform Scheduling of Medicines and Poisons No. 32, February 2021 and subsequent amendments

### ABBREVIATIONS

CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
LD50	Lethal Dose for 50% of test population (ingestion or skin contact)
mmHg	Millimetres of mercury
UN Number	United Nations Number

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