



# DAVID GRAY & CO PTY LIMITED

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Date of Issue: October 2014

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## MATERIAL SAFETY DATA SHEET

### IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

**PRODUCT NAME:** Aerosol Outdoor Fogger with Citronella

**OTHER NAME:** None available  
**MANUFACTURERS CODE:** 01749 (400g)  
**PROPER SHIPPING NAME (ADG Code):** Aerosols  
**UN NUMBER:** 1950  
**DANGEROUS GOODS CLASS:** 2.1 Flammable gas  
**SUBSIDIARY-RISK:** Not applicable  
**PACKAGING GROUP:** Not applicable  
**HAZCHEM CODE:** 2YE  
**POISONS SCHEDULE:** None allocated  
**USE:** Aerosol for the control of outdoor flying insects

### PHYSICAL DESCRIPTION / PROPERTIES

**APPEARANCE:** Very fine white mist  
**MELTING POINT:** Not available for mixture  
**BOILING POINT:** Propellant – minus 42°C  
**VAPOUR PRESSURE:** 315 – 345kPa (46 – 50psig) @ 25°C  
**DENSITY:** Not available for mixture  
**FLASH POINT:** Propellant – minus 104°C  
**FLAMMABILITY LIMITS:** Propellant 1.5% to 9.6% in air (v/v)  
**SOLUBILITY IN WATER:** Concentrate is miscible with water  
**CORROSIVENESS:** Not corrosive  
**REACTIVITY:** Propellant gas can react violently with oxidising agents (chlorine etc)

### INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION (w/w)
Water	7732-18-5	30 - 60%
Butane/propane	68475-59-2	30 - 60%
Hydrocarbon solvent	64742-47-8	10 - 30%
Piperonyl Butoxide	51-03-6	1.5%
Citronella Oil		0.6%
Tetramethrin	7696-12-0	0.4%
Permethrin 25:75	52645-53-1	0.2%

Other ingredients determined to be non-hazardous

## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

#### GENERAL:

Use of the product as directed will not result in any adverse health effects occurring. Avoid spraying food or food utensils. Wash hands after use. Product is may be classed as slightly toxic.

#### ACUTE

##### SWALLOWED:

Low toxicity. Excessive ingestion may cause irritation to the throat. . Directly spraying the propellant into the mouth at close range, may cause freezing of tissue resulting in an injury similar to a thermal burn.

##### EYE:

Product is a moderate eye irritant. Directly spraying the propellant into the eye at close range, may cause freezing of tissue resulting in an injury similar to a thermal burn.

##### SKIN:

Product is a low skin irritant. Directly spraying the propellant on to the skin at close range, may cause freezing of tissue resulting in an injury similar to a thermal burn. Product is unlikely to cause any significant skin irritation when used as directed.

##### INHALED:

Normal use of this product will not cause any significant adverse effects.

Intentional inhalation of any aerosol can result in drowsiness and can cause brain, liver and lung damage. Prolonged intentional inhalation may cause unconsciousness or even death due to asphyxiation.

The concentrate also contains a hydrocarbon solvent, which may cause complications if aspired into the lungs.

##### CHRONIC:

No chronic health effects are expected when used as directed.

### FIRST AID

#### GENERAL:

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

#### SWALLOWED:

If poisoning or any adverse health effects are noticed, contact a doctor or Poisons Information Centre.

#### EYE:

Hold eyes open and flush with water for at least 15 minutes. If irritation persists, seek medical assistance.

#### SKIN:

Remove any contaminated clothing. Wash skin thoroughly with soap and water. Do not scrub skin. Seek medical assistance if irritations or adverse health effects develop.

#### INHALED:

Remove to fresh air and keep warm. If deliberately inhaled, seek urgent medical attention.

**FIRST AID FACILITIES:**

Soap, water.

**ADVICE TO DOCTOR:**

The concentrate also contains a hydrocarbon solvent which may cause complications if aspired into the lungs. Treat symptomatically.

## PRECAUTIONS FOR USE

**EXPOSURE STANDARDS:**

Worksafe Occupational Exposure Standard (TWA – Time Weighted Average)  
Propellant – propane/butane 800ppm

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:**

Only spray where there is adequate ventilation, away from any flames or ignition sources.

**PERSONAL PROTECTION:**

Avoid contact with skin and eyes and breathing spray mist.

**FLAMMABILITY:**

Propellant is very flammable. Do not use near a naked flame. Do not incinerate can.

## SAFE HANDLING INFORMATION

**STORAGE**

Store in the original container in a cool, dry place, out of direct sunlight and out of the reach of children. Do not store in vehicles for prolonged periods as explosion of the aerosol may result.

**TRANSPORT**

Product is classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail.

<b>CORRECT SHIPPING NAME:</b>	Aerosols
<b>UN NUMBER:</b>	1950
<b>DANGEROUS GOODS CLASS:</b>	2.1 Flammable gas
<b>SUB-CLASS:</b>	Not applicable
<b>PACKAGING GROUP:</b>	Not applicable

## SPILLAGE

Excess spray or spills can be wiped up with damp cloth or rag.

## DISPOSAL

Disposal of contaminated material must be done in accordance with State and/or Local regulations.  
Dispose of empty container by wrapping in paper, placing in a plastic bag and putting in garbage.  
Do not puncture or incinerate can.

## FIRE/EXPLOSION HAZARD

Hazchem: 2YE

Product is packed under pressure and if involved in fire or exposed to excessive heat, the cans may explode or become airborne.

### HAZARDOUS DECOMPOSITION PRODUCTS:

If involved in a fire, oxides of carbon and nitrogen may be formed.

### FIRE FIGHTING EQUIPMENT:

Foam, carbon dioxide and dry chemical powder may be used to extinguish fire.

## OTHER INFORMATION

### ECOTOXICITY DATA:

Toxic to bees and fish and only slightly toxic to pets and livestock. The active ingredients do not bioaccumulate in animal systems.

### ENVIRONMENTAL FATE:

Active ingredients breakdown in the environment by hydrolysis or oxidation in sunlight.

## CONTACT POINT

**TITLE:** Technical Department

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

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

**DATE:** **22<sup>nd</sup> October 2014**

### 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.