



DAVID GRAY & CO PTY LIMITED

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Date of Issue: March 2000

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MATERIAL SAFETY DATA SHEET

IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

PRODUCT NAME: Aerosol Rose Spray

OTHER NAME: None allocated

MANUFACTURERS CODE: 06648 (400g)

PROPER SHIPPING NAME (ADG Code): Aerosols

UN NUMBER: 1950

DANGEROUS GOODS CLASS: 2.2 Compressed gas Non Flammable Non Toxic

SUBSIDIARY-RISK: None allocated

PACKING GROUP: None allocated

HAZCHEM CODE: 2YE

POISONS SCHEDULE: None allocated

USE: For control of aphids, thrips, caterpillars, plant bugs, powdery mildew, black spot and rust on roses

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE: White foam spray

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

OTHER PROPERTIES: Propellant gas can react violently with oxidising agents (chlorine etc)

INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Permethrin 25:75	52645-53-1	0.75g/kg
Tetramethrin	7696-12-0	3.00g/kg
Piperonyl Butoxide	51-03-6	9.00g/kg
Triforine	26644-46-2	0.60g/kg
Other inerts determined to be non hazardous	-	to 100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia): None allocated

RISK PHRASES: None allocated

SAFETY PHRASES: None allocated

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 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 that 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)

Propellent – 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:

Propellent 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.

CORRECT SHIPPING NAME:	Aerosols
UN NUMBER:	1950
DANGEROUS GOODS CLASS:	2.2 Compressed gas
SUB-CLASS:	Not applicable
PACKING GROUP:	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. Triple rinse containers with water and add rinsings to tank mix. Destroy empty containers by breaking, crushing or puncturing them. Dispose of the empty containers at a local authority landfill. Do not burn empty containers or product. Do not allow chemical containers, spray or washings to contaminate drains, sewers, streams, ponds or any waterway.

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:

DATE:

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.

Aerosol Rose Spray

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