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MATERIAL SAFETY DATA SHEET

IDENTIFICATION

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

PRODUCT NAME: David Grays Insect Killer

OTHER NAME: Aerosol Flyspray, Flying Insect Killer Low Irritant.
MANUFACTURERS CODE: 1148 (12x400g)
PROPER SHIPPING NAME (ADG Code): Aerosols
UN NUMBER: 1950
DANGEROUS GOODS CLASS: 2.2 non flammable non toxic gas
SUBSIDIARY-RISK: None allocated
PACKING GROUP: None allocated
HAZCHEM CODE: 2YE
POISONS SCHEDULE: None allocated
USE: To kill flies, midges, mosquitoes, cockroaches, silverfish, fleas in infested areas as per label directions.

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE: Fine white spray
MELTING POINT: Not applicable
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
Tetramethrin	7696-12-0	3.6g/kg
Bioresmethrin	10453-86-8	0.7g/kg
Butane/propane	68475-59-2	35%
Ingredients determined to be non hazardous	-	To 100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia): Xn - Harmful

RISK PHRASES: None allocated

SAFETY PHRASES: S2 – Keep out of reach of children.
S23 – Avoid inhaling spray.
S24 – Avoid contact with the skin.

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 very slightly toxic.

ACUTE

SWALLOWED:

The acute oral toxicity is Low. Oral LD50 (rat) 5000mg/kg (Tetramethrin).
Oral LD50 (rat) 7000mg/kg (Bioresmethrin).
For product Oral LD50 (rat) >80000mg/kg

EYE:

Moderate eye irritant.

SKIN:

The acute dermal toxicity is low. Repeated skin contact may cause allergic reactions.
Dermal LD50 (rat) >5000mg/kg (Tetramethrin).
Dermal LD50 (rabbit) >10000mg/kg (Bioresmethrin).
For product LD50 > 80000mg/kg.

INHALED:

The acute inhalation toxicity is moderate. Excessive exposure to the spray may be harmful. Prolonged exposure to the spray may cause eye and respiratory irritation, dizziness and headaches.
Inhalation LD50 (rat) = No data available mg/m³ (4 hours) (Tetramethrin).
Inhalation LD50 (rat) = 5.2 mg/m³ (4 hours) (Bioresmethrin).
Deliberately inhaling the contents can be harmful or fatal.

CHRONIC:

Use of the product as directed will not result in any adverse health effects occurring.

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 contains a hydrocarbon solvent and propellant, 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. Do not store near fire or flame or other heat sources.

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 Non Flammable Non Toxic
SUB-CLASS:	None allocated
PACKING GROUP:	None allocated

SPILLAGE

Excess spray or spills can be wiped up with damp cloth or rag, placed in a plastic bag and put into the rubbish.

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: Production Chemist

DATE: 15th June 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.