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MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT NAME: David Grays High Performance Roach Surface Spray

OTHER NAME: None available

MANUFACTURERS CODE: 1750 (350g)

USE: Insecticide aerosol spray.

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia): Xn - Harmful
Classified as hazardous according to the criteria of NOHSC.

RISK PHRASES: R65 – May cause lung damage if swallowed

SAFETY PHRASES: S2- Keep out of reach of children
S24- Avoid contact with the skin

INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Cypermethrin	52315-07-8	0.2%
Imiprothrin	72963-72-5	0.07%
Butylated Hydroxytoluene	128-37-0	<10%
D-Limonene	5989-27-5	<10%
Precipitated amorphous silica	7696-12-0	<0.5%
Hydrocarbon solvent	64771-72-8	>60%
Other ingredients determined to be non-hazardous	-	To 100%

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FIRST AID MEASURES

GENERAL:

In every case of suspected poisoning, contact a doctor or a Poisons Information Centre immediately.
(Phone: 131126)

SWALLOWED:

Seek medical attention immediately. Do not induce vomiting. It is recommended to give a slurry of activated charcoal.

NOTE: Do not give fluids, tablets or induce vomiting if patient is unconscious or convulsing.

EYE:

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

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. Seek medical attention if effects persist.

FIRST AID FACILITIES:

Soap, water, eyewash

ADVICE TO DOCTOR:

Treat symptomatically.

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry Chemical, Foam or Carbon Dioxide

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon, Nitrogen, Sulphur and Hydrogen Chloride

FIRE FIGHTING PERSONAL PROTECTIVE EQUIPMENT: Self-contained breathing apparatus. Rubber gloves and rubber boots

HAZCHEM CODE: 2YE

ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE: Spill or leak area should be isolated immediately. Advise emergency services if required (FESA). Keep all unauthorised persons away from the area. Contain spill if safe to do so. (See below)

CONTAINMENT AND CLEAN UP: Contain spill by using absorbent material ie (sand, earth or attapulgate). Cover ant open drains with plastic, rubber etc. (See section handling and storage for PPE requirements). Do not allow entry into waterways. Collect (shovel or sweep) absorbent material into sealable steel or plastic containers, clearly labelled. Disposal of contaminated material must be done in accordance with State and/or Local regulations.
Small spills: If spilt indoors, once absorbed and removed, wash contaminated surface with a mild detergent solution

HANDLING AND STORAGE

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PRECAUTIONS FOR SAFE HANDLING:

Avoid contact of the product with hands, skin, eyes and avoid breathing spray mist. Do not allow the product or spray mist to enter the mouth.

Wash hands, face and arms immediately after use and before eating, drinking, smoking or going to the toilet.

STORAGE:

Keep cool out of direct sunlight and provide adequate ventilation. Avoid contact with extremes of heat and oxidisers.

EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

BIOLOGICAL LIMIT:

Not relevant

ENGINEERING CONTROLS:

Use only in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT:

No personal protection required when used as recommended on the label.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Fine mist

ODOUR:

Lemon odour

VAPOUR PRESSURE:

310 – 345kPa (45 – 50psig) @ 25°C

VAPOUR DENSITY:

Not available for mixture

BOILING POINT:

Propellent – minus 42°C

MELTING POINT:

Propellent – minus 138°C

SOLUBILITY IN WATER:

Concentrate not miscible with water

SPECIFIC GRAVITY:

Not applicable for packed aerosol

FLASH POINT:

Propellent – minus 104°C

FLAMMABILITY LIMITS:

Propellent 1.5% to 9.6% in air (v/v)

IGNITION TEMPERATURE:

Not determined for mixture

STABILITY AND REACTIVITY

CHEMICAL STABILITY:

Stable at normal storage conditions

CONDITIONS TO AVOID:

Extremes of heat

INCOMPATIBLE MATERIALS:

Oxidisers

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of Carbon, Nitrogen, Sulphur and Hydrogen

Chloride

HAZARDOUS REACTIONS:

Explosion of aerosol can in extreme heat

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TOXICOLOGICAL INFORMATION

GENERAL:

No adverse health effects are expected when the product is used in accordance with label directions.

ACUTE

SWALLOWED:

The acute oral toxicity is low. Oral LD50 (rat) >40g/kg

EYE:

Moderate eye irritant.

SKIN:

The acute dermal toxicity is low

INHALED:

Inhalation LD50 (rat) = No data available

CHRONIC:

Not expected to cause any adverse conditions during normal use.

ECOLOGICAL INFORMATION

ECOTOXICITY: Toxic to aquatic life

PERSISTENCE AND DEGRADABILITY: Not persistent in soil or air with a half-life of 7-14 days in soil

MOBILITY: Moderate to low mobility in soil with a Koc number ranging from 380 - 770

DISPOSAL CONSIDERATIONS

Disposal of contaminated material must be done in accordance with State and/or Local regulations.

Dispose of empty containers by wrapping in paper, placing in plastic bag and putting in garbage.

Do not allow chemical containers, spray or washings to contaminate drains, sewers, streams, ponds or any waterway.

TRANSPORT INFORMATION

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

UN NUMBER:	1950
CORRECT SHIPPING NAME:	Aerosols
DANGEROUS GOODS CLASS:	2.1 Flammable Gas
SUB-CLASS:	Not applicable
PACKAGING GROUP:	Not applicable
SPECIAL PRECAUTIONS FOR USER:	Not applicable
HAZCHEM CODE:	Non Allocated
POISON SCHEDULE:	S5 (cypermethrin)

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REGULATORY INFORMATION

No further information available.

OTHER INFORMATION

CONTACT POINT

TITLE: Production Chemist
TELEPHONE NUMBER: (08) 9337 4933
AUTHORISED: David Grays Technical Department
DATE: 15th January 2009

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 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 alter this MSDS.

Contact David Gray & Co Pty Limited for further product information on (08) 9337 4933 during normal business hours, or via e-mail <mailto:general@davidgray.com.au>