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Date of Issue: March 2008

Page 1 of 5

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT NAME: David Grays Dog Shampoo

OTHER NAME: None available

MANUFACTURERS CODE: 02751 (500ml)

USE: Insecticidal control of fleas & ticks on dogs as per the label directions.

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

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

Classified as not hazardous according to the criteria of NOHSC.

RISK PHRASES: Not applicable

SAFETY PHRASES: Not applicable

INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Pyrethrins	8003-34-7	0.5g/L
Piperonyl Butoxide	51-03-6	5.0g/L
Other ingredients determined to be non-hazardous		To 100%

FIRST AID MEASURES

GENERAL:

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

SWALLOWED:

Seek medical attention immediately. Do not induce vomiting.

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:

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: Carbon and nitrogen oxides

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

HAZCHEM CODE: Not relevant

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 any 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

PRECAUTIONS FOR SAFE HANDLING:

Avoid contact of the product with hands, skin, eyes. Do not allow the product 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 alkaline materials.

EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS:

Worksafe Occupational Exposure Standard (TWA – Time Weighted Average)
Pyrethrins 5 - mg/m³

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:

Not relevant.

PERSONAL PROTECTIVE EQUIPMENT:

For maximum protection, when handling the product, preparing and using mixture, we recommend the following to be worn:

- Rubber gloves

Remove contaminated clothing immediately and wash thoroughly (separate from other clothing) after each days use.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Pale yellow viscous liquid
ODOUR:	pleasant floral fragrance
pH:	6.5 – 7.5
VAPOUR PRESSURE:	Not available for the mixture
VAPOUR DENSITY:	Not available for the mixture
BOILING POINT:	Approx 100 ^o C for the mixture
MELTING POINT:	Not available for the mixture
SOLUBILITY IN WATER:	Disperses in water
SPECIFIC GRAVITY:	0.97 – 0.98
FLASH POINT:	Non-Flammable
FLAMMABILITY LIMITS:	Non-Flammable
IGNITION TEMPERATURE:	Non-Flammable

STABILITY AND REACTIVITY

CHEMICAL STABILITY:	Stable at normal storage conditions
CONDITIONS TO AVOID:	Extremes of heat
INCOMPATIBLE MATERIALS:	Alkaline materials
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon and nitrogen oxides
HAZARDOUS REACTIONS:	Not relevant

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. For Product: calculated Oral LD50 (rat) > 20g/kg bodyweight

EYE:

Slight 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. People susceptible to detergent dermatitis may experience irritation and would be recommended to wear gloves whilst handling the product.

ECOLOGICAL INFORMATION

ECOTOXICITY: Toxic to aquatic life.

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

MOBILITY: Moderate to low mobility in soil with a Koc number ranging from 399 - 830

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

UN NUMBER: Not Relevant

CORRECT SHIPPING NAME: Not Relevant

DANGEROUS GOODS CLASS: Not Relevant

SUB-CLASS: Not Relevant

PACKAGING GROUP: Not Relevant

SPECIAL PRECAUTIONS FOR USER: Not Relevant

HAZCHEM CODE: Not Relevant

REGULATORY INFORMATION

No further information available.

OTHER INFORMATION**CONTACT POINT**

TITLE: Technical Department

TELEPHONE NUMBER: (08) 9337 4933

AUTHORISED: **Technical Department**

DATE: **19 March 2008**

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>