



DI-FLEA INSECTICIDAL SHAMPOO FOR DOGS AND CATS

SAFETY DATA SHEET

Section 1: IDENTIFICATION of CHEMICAL PRODUCT and COMPANY

Product Name:	Di-Flea Insecticidal Shampoo for Dogs and Cats
Product Code:	61212 (250 mL)
Recommended Use:	For the control of fleas (<i>Ctenocephalides</i> spp.) on dogs and cats.
Company Identification:	Jurox Pty Limited
Address:	85 Gardiner Street Rutherford NSW 2320 Australia
Email:	jenq@jurox.com.au
Customer Centre:	1800 02 3312
National Poisons Information Centre:	13 1126 (Australia-wide)
Emergency Telephone Number:	1800 02 3312 (Monday – Friday, 9am – 5pm)

Section 2: HAZARDS IDENTIFICATION

GHS Category	Hazard code	Hazard Phrase
Chronic aquatic toxicity - Category 3	H412	Harmful to aquatic life with long lasting effects

Signal Word: None

GHS Pictograms: None

Precautionary Statements: Prevention
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P273 Avoid release to the environment.

Disposal
P501 Dispose of contents/container in accordance with local/national regulations.

Section 3: COMPOSITION / INFORMATION on INGREDIENTS

INGREDIENT	CAS No.	CONTENT
Piperonyl butoxide	51-03-6	1 %
Cypermethrin, alpha	67375-30-8	0.1 %
Ingredients not contributing to the hazards	---	98.9%

Section 4: FIRST AID MEASURES

First Aid Measures:	Consult the National Poisons Centre on 13 1126 or a doctor immediately in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If medical advice/attention is needed, have product container or label at hand.
Inhalation:	Is unlikely to present an inhalation problem due to low vapour pressure at ambient temperature. If respiratory symptoms do occur, remove patient to fresh air. Lay patient down and keep warm and rested. If breathing is shallow or has stopped, ensure airway is clear and apply resuscitation. If breathing is difficult, give oxygen. Seek medical assistance immediately.
Ingestion:	Gastrointestinal discomfort may produce nausea and vomiting. If swallowed, DO NOT induce vomiting. Rinse mouth. Keep subject warm and at rest. For advice, contact a doctor or the National Poisons Centre on 13 1126.
Skin:	Not thought to produce adverse effects or skin irritation following contact. However, if skin contact occurs, wash affected area thoroughly with plenty of soap and water for at least 20 minutes. If skin irritation or rash occurs, get medical advice/attention. Remove and wash / dispose of contaminated clothing promptly.
Eye:	May produce transient discomfort or irritation. If eye contact occurs, rinse cautiously with water for at least 20 minutes. Continue rinsing. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. If eye irritation persists, get medical advice/attention.
Chronic:	Due to the presence of cypermethrin, prolonged or repeated contact may lead to a skin sensitisation reaction.
Advice to Doctor:	Contains piperonyl butoxide, which is an insecticide synergist, and cypermethrin, which is a synthetic pyrethroid insecticide. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point:	Not flammable. Not combustible.
Hazardous Combustion Products:	If involved in a fire, may emit noxious fumes.
Extinguishing Media:	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
Protective Equipment:	Protective gloves and breathing apparatus.
HAZCHEM Code:	None specified.

Section 6: ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Slippery when spilt. Wear appropriate protective clothing. For small spills, wipe area, then wash area well with excess water. For large spills, exclude non-essential people from the area. Contain spill and absorb with inert material such as soil, sand or absorbent granules and place in a sealable waste container. Ventilate area and wash spill site after pick-up complete. Dispose of waste safely in an approved landfill.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental Precautions:	Prevent from entering drains, waterways or sewers. If spill does enter waterways contact local authority.

Section 7: HANDLING AND STORAGE

- Handling:** Limit all unnecessary personal contact. Use personal protective equipment as required. Do not eat, drink or smoke while handling product.
- Storage:** Di-Flea Insecticidal Shampoo for Dogs and Cats is a Scheduled Poison (S5) and therefore must be stored and maintained in accordance with the relevant State Poisons Act. Keep out of reach of children. Store below 30°C (room temperature). Store away from foodstuffs.
- Other Information:** Always read the label before use. See label for further information on handling and storage.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This SDS describes personal protective measures relating to long term industrial and manufacturing exposure and emergency situations, such as accidents and spills. See product label for personal protective measures during normal use of the marketed product.

- Exposure Limits:** No exposure limits have been assigned for this product. Avoid breathing vapours. Do not handle until all safety precautions have been read and understood.
- Protective Equipment:** When using the product, wear protective gloves and eyewear.
- Engineering Controls:** Handle in a well ventilated area.
- Hygiene Precautions:** As for good veterinary practice.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	A bright orange viscous liquid.	Lower flammability limits:	Not available.
Odour:	Not available.	Vapour Pressure:	Not available.
Odour threshold:	Not available.	Vapour density:	Not available.
pH:	5.0 – 5.5.	Relative density:	Not available.
Melting Point:	Not applicable.	Specific Gravity:	Approx. 1.01.
Boiling Point:	Not available.	Solubility in Water:	Miscible with water
Flash Point:	Not flammable. Not combustible.	Partition coefficient:	Not available.
Evaporation Rate:	Not available.	Auto-ignition temperature:	Not available.
Flammability:	Flammable.	Decomposition temperature:	Not available.
Upper flammability limits:	Not available.	Viscosity:	Not available.

Section 10: STABILITY AND REACTIVITY

- Stability:** When stored appropriately this product should show no significant degradation within the expiry period shown on the label.
- Hazardous Polymerisation:** Not known to occur.
- Materials to Avoid:** None known.

Section 11: TOXICOLOGICAL INFORMATION

Inhalation:	Is unlikely to present an inhalation problem due to low vapour pressure at ambient temperature.
Ingestion:	Gastrointestinal tract discomfort may cause nausea and vomiting. Piperonyl butoxide: Oral LD ₅₀ ; 4570 mg/kg (rat) Cypermethrin, alpha: Oral LD ₅₀ ; 40 mg/kg (rat)
Skin:	Not thought to produce adverse effects or skin irritation following contact.
Eye:	May produce transient discomfort or irritation.
Chronic Effects:	Due to the presence of cypermethrin, prolonged or repeated contact may lead to a skin sensitisation reaction.
Reproductive Toxicity:	Possible reproductive toxicant as cypermethrin has been shown to have adverse effects on fertility and reproduction in male rats.
Mutagenicity:	Not known to be mutagenic.
Carcinogenicity:	Cypermethrin and piperonyl butoxide are classed as Group C (possible human carcinogens) by the US Environmental Protection Agency.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity:	Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. Cypermethrin is very toxic to terrestrial invertebrates.
Piperonyl butoxide:	Water flea (<i>Daphnia magna</i>) EC ₅₀ (48hr) 0.51 mg/L Sheephead minnow (<i>Cyprinodon variegates</i>) LC ₅₀ (96 hr) 1.8 mg/L
Cypermethrin, alpha:	Water flea (<i>Daphnia magna</i>) EC ₅₀ (48hr) 0.0003 mg/L Silver barb (<i>Barbus gonionotus</i>) LC ₅₀ (96hr) 0.0004 mg/L European honey bee (<i>Apis mellifera</i>) LD ₅₀ (48 hr) 0.023 µg/org

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Piperonyl butoxide	HIGH	No data available	LOW	HIGH
Cypermethrin, alpha	HIGH	No data available	MED	LOW

Section 13: DISPOSAL INFORMATION

Product Disposal:	Dispose of product only by using according to label or at an approved landfill. Refer to the relevant State Land Waste Management Authority.
Container Disposal:	Wrap in paper and place in garbage or bury in an approved landfill if an approved recycling system is not available.

Section 14: TRANSPORT INFORMATION

Dangerous Goods Classification:	Not classed as a Dangerous Good for transport purposes by road, sea or air
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Section 15: REGULATORY INFORMATION

APVMA Registration No: 46364

Section 16: OTHER INFORMATION

This information is based on data believed by Jurox Pty Limited to be accurate at the time of writing but is subject to change without notice. It is given in good faith, but no warranty expressed or implied is made as to its accuracy, completeness otherwise and no assumption of liability from howsoever arising is made by Jurox Pty Limited by reason of the provision of this information. Every person dealing with the materials referred to herein does so at his/her own risk absolutely and must make independent determinations of suitability and completeness of information from all sources to ensure their proper use.

Legend

CAS No.: a unique number assigned to a chemical by the Chemical Abstracts Service.

EC₅₀: the half maximal effective concentration, being a statistically derived concentration of a substance that induces a response halfway between the baseline and maximum after a specified exposure time.

GHS: 'Globally Harmonized System of Classification and Labelling of Chemicals, 4th Revised Edition', published by the United Nations.

LC₅₀: the median lethal concentration, being a statistically derived concentration of a substance that can be expected to cause death in 50% of animals.

LD₅₀ means the median lethal dose, being a statistically derived single dose of a substance that can be expected to cause death in 50% of animals.

SDS: Safety Data Sheet.

References

Hazardous Substances Data Bank (HSDB), TOXNET Toxicology Data Network entry for Piperonyl butoxide (CASRN: 51-03-6) and Alphacypermethrin (CASRN: 67375-30-8).

New Zealand Environmental Protection Authority, HSNO Chemical Classification and Information Database (CCID) entry for Piperonyl butoxide (Cas Number: 51-03-6) and alpha-Cypermethrin (Cas Number: 67375-30-8).

Version

This SDS supersedes the version created on 2 July 2009.

END OF SDS