

Bioway Multi Insect and Dustmite Killer

A Micro-Emulsion formulation. Active ingredients : Permethrin and Bio-Allethrin

Bioway Multi – no synthetic solvents

FORMAT FOR A 16 SECTION MATERIAL SAFETY DATA SHEET

NAME OF SUPPLIER: BIOWAY MULTI PESTICIDES PTY LTD

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1. PRODUCT IDENTIFICATION

Product name: Bioway Multi
Product code: SL

2. COMPOSITION / PHYSICAL DATA

Name of chemical	% Vol	% wt Water	Chemical family	Chemical formula	Cas no	Haz chem.
Permethrin	0.225 2.25 g/l	97.5	Pyrethroids		N/A	SL
Bioallethrin	0.045 0.45 g/l	97.5		Micro-emulsion		

3. HAZARDS IDENTIFICATION

Main hazard None
Health effects-eyes None
Health effects-skin None
Health effects-ingestion None
Health effects-inhalation None

4. FIRST AID MEASURES

Product ingested	Drink water – Seek medical practitioner.
Product on skin	Wash with water.
Product on eyes	Rinse with water
Product inhaled	N/A

5. FIRE FIGHTING MEASURES

Extinguishing media	None – water based – Not flammable
Special hazards	None
Protective clothing	None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Prevent skin contact
Environmental precautions	Prevent aqueducts and sewerage systems contamination.
Small spills	Cover with sand
Large spills	Cover with sand or saw-dust

7. HANDLING AND STORAGE – Cool and dry storage

Suitable material	High density Poly Urethane bottles
Handling / storage precautions	Use gloves - keep away from uninformed people

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure	Use gloves and mask
Engineering control	None
Personal protection – respiratory	Use mask
Personal protection – hands	Use gloves
Personal protection – eyes	None – rinse with water
Personal protection – skin	None – wash with water
Other protection	None
Wash and rinse with cold water after contact	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearances	White milky
Colour	White
pH	2
Relative density	Water – 1,01g/cm ³
Boiling point	98° C – water
Melting point	N/A
Flash point	N/A
Flammability	Not flammable
Auto Flammability	N/A
Explosive properties	None
Oxidizing properties	None
Odour	Typical – no odour

10. STABILITY AND REACTIVITY

Conditions to avoid	None – Does not react with other chemicals
Incompatible materials	None
Hazardous decomposition	N/A

11. TOXICOLOGICAL INFORMATION - RAT

Acute toxicity	Oral LD 50mg/kg. 20 000 / Dermal 20000 / Inhalation 4009
Skin and eye contact	None
Chronic toxicity	N/A
Mutagenicity	N/A
Carcinogenicity	N/A
Neurotoxicity	N/A
Reproductive hazards	N/A

12. ECOLOGICAL INFORMATION

Aquatic toxicity – fish	Toxic
Aquatic toxicity – daphnia	Toxic
Aquatic toxicity – algae	Hazardous
Biodegradability	97%
Bio-accumulation	N/A
Water stability	96% Micro-Emulsified
Ozone layer depletion	none

13. DISPOSAL CONSIDERATION

Disposal methods	Do not spill into sewerage systems
Disposal of packaging	Do not use for any other purpose.

14. TRANSPORT INFORMATION – Regulation – 26-08-1986

UN no 3352 Permethrin 3082 Bioallethrin
G G V Marine/IMDG – code. Not dangerous goods within the meaning of above transport regulations.

15. REGULATORY INFORMATION

EU hazard classification	Class 4. F/T. EO
Risk phrases	None. N/A
Safety phrases	None. N/A
National legislation	L6988 RSA

16. OTHER INFORMATION

Bioway Multi awarded a green class IV (4) or U (unclassified). Less hazardous product. International. No synthetic solvents used. Does not stain. Odourless.