

OKADA ECOTECH PTE LTD

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MATERIAL SAFETY DATA SHEET

Date: 1.8.9

SECTION 1: PRODUCT IDENTIFICATION

Product Name	BIOVECTROL™ - 10EW Professional Use Insecticide.
Active Ingredient	Etofenprox (Technical)
Chemical Name	2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether
Chemical Family	Aryl-propyl benzyl ether
WHO Code Number	OMS3002
WHO Interim Specification	CTD/WHOPES/IS/97.24.1
WHO Hazard Classification	Table 5. Technical products unlikely to present acute hazard in normal use.

SECTION II: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<u>Component</u>	<u>% w/w</u>
Etofenprox	10.0
Inert Ingredient	90.0

SECTION III: PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance	Milky White Aqueous Emulsion
Odor	Pleasant
pH at 25°C	7.5 ± 1.0
Viscosity (BF / #3 / 10 rpm / 25°C)	1500 ± 500 cps
Solubility in Water	Soluble, All Proportions
Specific Gravity	1.100
Vapor Pressure	2.4 x 10 ⁻⁴ mmHg/100°C (Technical)
Biotic Degradation	Biodegradable

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SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point	Not applicable (Nonflammable)
Extinguishing Media	Not Applicable
Special Fire Fighting Procedures	Not Applicable
Unusual Fire & Explosion Hazards	Not Applicable

SECTION V: HEALTH HAZARD DATA

ACUTE TOXICITY / IRRITATION STUDIES

INGESTION	LD ₅₀ (Rat) > 10,000 mg/kg
INHALATION	LC ₅₀ (Rat) > 5,900 mg/m ³ air
DERMAL ABSORPTION	LD ₅₀ (Rat) > 5,000 mg/kg
SKIN CONTACT	Non irritating (Rabbit)
EYE CONTACT	Non irritating (Rabbit)
SKIN SENSITIZATION	Not a sensitizer (Guinea pig)

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	Flush eyes immediately with steady running water for at least 15 mins.
SKIN CONTACT	Immediately wash with soap and water.
INHALATION	Remove victims from area of exposure and move to fresh air.
INGESTION	Drink plenty of water. Do not induce vomiting.

NOTE TO PHYSICIAN

Treat symptomatically.

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SECTION VI: REACTIVITY DATA

STABILITY	Stable
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon. Decomposition is very unlikely.
HAZARDOUS POLYMERIZATION	Will not occur.
MATERIALS TO AVOID	Acids.
CONDITIONS TO AVOID	Excessive heat and prolonged sunshine.

SECTION VII: SPILL OR LEAKAGE

STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED :

Hose off road surfaces to prevent accident on slippery surface.

WASTE DISPOSAL METHOD :

Collect and dispose in sewage system if local authorities permit.

SECTION VIII: SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS	General ventilation is adequate.
RESPIRATORY PROTECTION	None normally required.
PROTECTIVE GLOVES	None normally required.
EYE PROTECTION	None normally required.

SECTION IX : STORAGE AND LABELING

Keep out of reach of children.

Keep container closed when not in use.

Store in a cool, dry place, away from direct sunlight and high temperature.