



OKADA ECOTECH PTE LTD (REG NO 199805584M)

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MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

Product Name **BIOVECTROL® 10EW**
Active Ingredient Etofenprox (technical)
Chemical Name 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether
Chemical Formula Aryl-propyl benzyl ether

SECTION II: COMPOSITION

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

SECTION III: HAZARDS IDENTIFICATIONS

Skin contact Non-irritating (Rabbit)
Eye contact Non-irritating (Rabbit)
Skin sensitization Not a sensitizer (Guinea Pig)
Carcinogenicity Not likely to be carcinogenic to humans

SECTION IV: EMERGENCY & FIRST AID PROCEDURE

Eye Contact: Flush eye immediately with steady running water for at least 15 mins
Skin Contact: Immediately wash with soap & 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

SECTION V: FIRE & EXPLOSION HAZARD DATA

Flash point: Not applicable (non-flammable)
Extinguishing Media: Not applicable
Special Fire Fighting Procedure: Not applicable
Unusual Fire & Explosion Hazards: Not applicable

SECTION VI: SPILL OR LEAKAGE

STEP TO BE TAKE IN CASE MATERIAL IS RELEASED OR SPILLED.
Hose off road surfaces to prevent accident or slippery surface.

SECTION VII: HANDLING & STORAGE

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.

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: PHYSICAL / CHEMICAL CHARACTERISTIC

Appearance: Milky white aqueous emulsion
Odor: Pleasant
pH at 25 deg C: 5.40±1.0
Dispersibility in water: Completely dispersible
Viscosity (BF/LVT/#1/100rpm/30deg C): 4-6 cps
Specific Gravity: 1.0 ± 0.05

SECTION X: STABILITY & 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 & prolong sunshine

SECTION XI: TOXICOLOGICAL INFORMATION

Acute Toxicity

Ingestion LD₅₀ > 10,000mg/kg

Inhalation LC₅₀ > 5,900mg/m³ air

Dermal Absorption LD₅₀ >5,000mg/kg

SECTION XII: ECOLOGICAL INFORMATION

Wildlife & Fish

(a) Mallard Duck LD₅₀ (oral) >2,000mg/kg

(b) Aquatic Animals

Species	TL _m value (ug/L, 48 hrs)
Carp	> 5,000
Goldfish	> 1,730
Ayu Fish	> 1,200
Water Flea	>40,000 (3hrs)
Short-necked Clam	>490,000

SECTION XIII: WASTE DISPOSAL METHOD

WASTE DISPOSAL METHOD

Collect and dispose in sewage system if local authorities permit.

SECTION XIV: TRANSPORTATION INFORMATION

Shipping Information: D.O.T. Not Regulated

SECTION XV: NATIONAL REGULATIONS AND REFERENCES

Registered with National Environment Agency, Singapore under
Section 8 of The Control of Vectors And Pesticides Act 1998

Registration Number : SINENVI-OiIEW/003/0004

SECTION XVI: OTHER INFORMATION

For Professional Use Only