

# OKADA ECOTECH PTE LTD (REG NO 199805584M)

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# **MATERIAL SAFETY DATA SHEET**

# **SECTION I: PRODUCT IDENTIFICATION**

Product Name BIO-X® d'BUG

Active Ingredient Etofenprox (technical)

Chemical Name 2-(4-ethoxyphenyl)-2-methylpropyl-3-phenoxybenzyl ether

# **SECTION II: COMPOSITION**

<u>Component</u> <u>%w/w</u>

Etofenprox 2.50 Inert Ingredients 97.50

# **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:

Special Fire Fighting Procedure:

Unusual Fire & Explosion Hazards:

Not applicable

Not applicable

#### **SECTION VI: SPILL OR LEAKAGE**

STEP TO BE TAKEN 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:
Protective Gloves:

None normally required
None normally required
None normally required

# SECTION IX: PHYSICAL /CHEMICAL CHARACTERISTIC

Appearance: Milky white aqueous emulsion

Odor: Pleasant

pH at 25 deg C: 7.0 ± 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  $LD_{50} > 2,000$ mg/kg (OECD 420)

Inhalation LC<sub>50</sub>> 5,900mg/m<sup>3</sup> air

Dermal Absorption  $LD_{50} > 2,000 \text{mg/kg}$  (OECD 402)

# **SECTION XII: ECOLOGICAL INFORMATION**

Wildlife & Fish

(a) Mallard Duck LD<sub>50</sub> (oral) >2,000mg/kg

(b) Aquatic Animals

Species TL<sub>m</sub> 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 REGULATION AND REFERENCE** 

Not Applicable

**SECTION XVI: OTHER INFORMATION** 

For Household Use