



# OKADA ECOTECH PTE LTD (REG NO 199805584M)

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## MATERIAL SAFETY DATA SHEET

### SECTION I: PRODUCT IDENTIFICATION

Product Name	<b>BIO-X<sup>®</sup> VOC FREE LAVENDER AEROSOL</b>
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	1.25
Inert Ingredients & Surfactants	48.75
HFC 134a Propellant	50.00

### SECTION III: HAZARD IDENTIFICATIONS

Skin contact:	Non-irritating (Rabbit)
Eye contact:	Non-irritating (Rabbit)
Skin sensitization:	Non-sensitizing (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: > - 70° C

Extinguishing Media: Dry chemical powder, carbon dioxide

Special Fire Fighting Procedures: Use equipment or shielding as required, to protect personnel from bursting, rupturing or venting containers.

Unusual Fire & Explosion Hazards:

At elevated temperature > 54 deg C containers exposed to direct flame or heat contact should be cooled with water to prevent weakening of container structure. Do not spray near open flame or while smoking.

## **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. 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: 6.0 ± 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<sub>50</sub> > 2,000mg/kg (OECD 420)  
Inhalation: LC<sub>50</sub> > 5,900mg/m<sup>3</sup> air  
Dermal Absorption: LD<sub>50</sub> > 2,000mg/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: TRANSPORTION INFORMATION**

Shipping Information: IATA Class 2.2

UN Number: UN1950

Proper Shipping Name: AEROSOL, Non-flammable, Non-toxic gases

## **SECTION XV: NATIONAL REGULATION AND REFERENCE**

Registered with National Environment Agency, Singapore under Section 8 of the Control of Vectors and Pesticides Act 1998.

Registration Number: SINNEAI-WtrAE/003/0583

## **SECTION XVI: OTHER INFORMATION**

For Household Use