



OKADA ECOTECH PTE LTD (REG NO 199805584M)

24 Pioneer Crescent, #04-08,
West Park Bizcentral, Singapore 628557.
Tel.: (65) 6872 3515 Fax: (65) 6872 6558
Website: www.okada-ecotech.com

MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION

Product Name: **BIO-X® EDEN**
Active Ingredient: Botanical Extracts

SECTION II: COMPOSITION

<u>Component</u>	<u>%w/w</u>
Botanical Extracts	5.00
Emulsifiers	4.60
Other Inert Ingredients	90.40

SECTION III: HAZARD 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 minutes
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
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 Liquid
Odor:	Pleasant Pine/garlic odor
pH at 30 deg C:	3.0– 5.0
Dispersibility in water:	Miscible in water
Viscosity (BF/LVT/#1/100rpm/30deg C):	2 - 5 cps
Specific Gravity:	0.995 ± 0.1

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 > 2,000mg/kg (OECD 420 Guideline)
Inhalation:	LD ⁵⁰ > 4.11mg/l air
Dermal Absorption:	LD ₅₀ > 2,000mg/kg (OECD 434Guideline)

SECTION XII: ECOLOGICAL INFORMATION

1) Effect on Earthworm (LC50) :	>1000mg/kg-safe
2) Effect on predators:	Harmless
3) Hazard to soil Microflora:	Non hazardous
4) Acute Daphnia Immobilization Test (EC 50) :	>1000mg/ltr-safe
NOEL:	197.5 mg/ltr
5) Acute toxicity to fish-Rainbow Trout (LC50):	440mg/ltr(24hrs) 150mg/ltr(96hrs)
NOEC:	50mg/ltr
6) Algal Inhibition Test:	Non inhibitory/Non Stimulant
NOEC:	22mg/ltr
7) Metabolism in soil:	Rapid Decomposition in soil
8) Degradability in water:	Readily Biodegradable in water

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

None

SECTION XVI: OTHER INFORMATION

None