

## **Neem 900EC Product Characteristics and Material Safety Data Sheet**

Product	Botanical Insect Growth Regulator
Manufacturer	Suntec NZ Ltd, SH57 Tokomaru, New Zealand
Supplied by	Suntec (NZ) Ltd, P O Box 41, Tokomaru 5450, New Zealand +64 6 3298142, fax +64 6 3298041, internet www.suntec.co.nz email suntec@suntec.co.nz
Formulation type	Emulsifiable Concentrate
Active ingredient(s)	Neem ingredients including Azadirachtin and Salannin derived from neem seed kernel. Furanoflavone derived from karanja oil
Mode of Action	Insect Growth Regulatory action. Nervous system disruption (karanjin). Antifeedent.

### **PHYSICAL**

Appearance	Brown (Pale tan to dark brown) oily liquid
Specific Gravity	850g per litre
Melting Point	17°C
Boiling Point	115°C
pH	5.0 to 7.0
Suspensibility	>99% (active ingredient)
Wettability	Instant
Solubility in Water	Forms emulsion of oil in water.
Flammability	Non-Flammable.

### **HAZARD IDENTIFICATION**

Inhalation	AVOID INHALING SPRAY MIST
Eye irritation	AVOID CONTACT WITH EYES. PRODUCT IS IRRITANT, AND FORMULATION CONTAINS SURFACTANT.
Skin Absorption	NONE
Ingestion	NONE
Chronic	PROLONGED EXPOSURE TO VAPOUR ARISING FROM PRODUCT IS NOT ADVISED

### **TOXICOLOGY**

ORAL LD <sub>50</sub>	>2000 mg/kg (NON TOXIC)
DERMAL LD <sub>50</sub>	> 2000 mg/kg
INHALATION	>2.11 mg/litre AIR
ECOTOXICITY	Toxic to aquatic life Active ingredients deteriorate under conditions of high pH, UV light, temperature above 50°C .

### **FIRST AID MEASURES**

Inhalation	Remove patient to fresh air. If respiratory symptoms arise consult physician.
Eye Contact	Wash eyes with plenty of warm water for approximately 5 minutes. Seek medical assistance.
Skin Contact	Remove clothing from affected area, and wash with warmwater and detergent. If allergic reaction arises consult physician.
Ingestion	No recommended procedures. Give plenty of water.
Emergency Treatment	No recommended procedures.

**ACCIDENTAL SPILLAGE**

- Land Spill                      Absorb spill into dry absorbant material and seal for disposal  
Flush area with hot water and detergent. Ventilate area.  
No special precautions
- Contamination of waterway    Avoid further spillage of concentrate into waterway.  
Ensure adequate dilution of spilt material.

**HANDLING AND STORAGE**

- Storage                      Store dry under cool dark conditions

**EXPOSURE AND PERSONAL PROTECTION**

- Applicators                      Minimal Protective clothing required for application.  
Respirator and eye protection required during measuring and mixing, and if applicator is in close proximity to the spray material during application, eg in greenhouse. Outside use normal clothing is recommended.
- Re-Packaging of Product        Skin Protection (gloves), Respiratory and eye protection required.  
Re pack product in a well ventilated area.