





# KAPI LIMITED

MANUFACTURERS & DISTRIBUTORS

 P.O. BOX 252-20100, NAKURU  
KENYA. KUFANYA ROAD

 0726 114 140  
0737 127 853

 info@kapilttd.co.ke  
office@kapilttd.co.ke

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE

Product name	Bio Boost
Product type	Oil based Insecticide concentrate
Use	Control of a wide range of insects in vegetables grown both in greenhouses and open farms
Manufacturer	Kapi Limited

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

NAME OF INGREDIENT	FUNCTION	CAS NUMBER	CONCENTRATION
Croton oil	Active ingredient	8001-28-3	25%

### 3. HAZARD IDENTIFICATION

Human health hazards	Skin contact may cause allergic dermatitis and if swallowed it may cause lung damage
Safety hazards	Non-flammable
Environmental hazards	ENVIRONMENTALLY HAZARDOUS LIQUID N.O.S

### 4. FIRST AID MEASURES

Inhalation	Discomfort may occur on inhalation of spray mist. If affected, remove to fresh air, keep warm and at rest. Obtain medical attention in severe cases.
Skin Contact	Discomfort or mild irritation may occur. Wash skin with soap and water. In severe cases obtain medical help.
Eye Contact	Irritation may occur. In case of contact, rinse immediately with plenty of water for at least 10-15 minutes. Obtain medical attention if irritation persists

# MATERIAL SAFETY DATA SHEET

<b>Ingestion</b>	Irritation to throat and mouth may occur. Do not give anything by mouth to an unconscious person. Wash out mouth with water and give copious amounts of water to drink. Do not induce vomiting. Obtain medical advice if patient unwell.
<b>Additional Information</b>	Symptomatic treatment. Always launder contaminated clothing before re-use

## 5. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing. Do not discharge into drains or rivers.
<b>Personal protection</b>	Wear suitable protective clothing.
<b>Respiration protection</b>	Normal (mechanical) exhaust
<b>Leak / Spill</b>	Small spills can be handled with a mop and water. Large spills should be contained with sawdust and disposed of under local authority regulations.

## 6. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Product not flammable. Water spray, foam, dry powder or Suitable Extinguishing Media	CO2 for surrounding fires.
<b>Special hazards arising from the Substance or mixture</b>	The product is non combustible. If heated, irritating vapours may be formed.	
<b>Advice for fire-fighters</b>	Full protective equipment including self-contained respiratory protection equipment for fire fighters.	

## 7. HANDLING AND STORAGE

<b>Precautions for safe handling</b>	Avoid contact with eyes or skin. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available.
<b>Conditions for safe storage, including any incompatibilities</b>	Keep in original containers. Keep separate from food, feedstuffs, fertilisers and other sensitive materials.

# MATERIAL SAFETY DATA SHEET

Suitable packaging

Keep in original containers

Keep tightly closed when not in use. Do not store below 5°C or above 30°C. Keep separate from food and feedstuffs.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls	Provide adequate ventilation
Hygiene measures	Wash hands with soap and water before eating, drinking, smoking and using the toilet
Respiratory protection	Normal (Mechanical) exhaust
Hand protection	Wear protective gloves (Impermeable or nitrile rubber gloves)
Eye protection	Wear safety gloves.
Skin Protection	Wear suitable protective overalls

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Odour	Characteristic vegetable smell
Colour	Pale Yellow
Solubility in water	Soluble
Vapour density	Not established
pH	6.5 - 7.0
Specific Gravity	0.94
Flash point	Above 100 °C
Boiling point	N/A
Explosive Properties	None reported for the ingredients used

## 10. STABILITY AND REACTIVITY

Conditions to avoid	Extremes of temperature and moisture (in storage) Avoid contact with acids and oxidising substances
Materials to avoid	Alkalis and alkaline materials
Hazardous decomposition products	Burning produces oxides of carbon

# MATERIAL SAFETY DATA SHEET

Reactivity	Not expected to be reactive.
Chemical Stability	Stable under normal conditions
Possibility of hazardous reactions	No polymerisation reaction expected

## 11. TOXICOLOGICAL INFORMATION

Eye effects	Causes stinging sensation
Skin effects	Mildly Irritating. May cause allergic dermatitis
Ingestion	May cause lung damage if swallowed
Effects of over exposure	N/A
Inhalation	Under normal use should not present a hazard. Irritation to the respiratory system may occur in sensitive individuals.

### HEALTH HAZARDS

Who classification:	"Moderately hazardous"
---------------------	------------------------

## 12. ECOLOGICAL INFORMATION

Biodegradation	Highly biodegradable
Ecotoxicity	
Fish	Highly toxic to fish
Honey bees	Toxic to bees
Soil micro-organisms	No negative effect when applied in normal use level

## 13. DISPOSAL CONSIDERATIONS

Waste disposal	Wastes disposed of in accordance with the prevailing regulations. Do not release into water bodies.
Product disposal	As for waste disposal.
Container/packaging disposal	All containers should be emptied, rinsed three times with water then offered for recycling or reconditioning. Can be disposed of in a landfill or by other procedures permitted by law. Containers should not be used for storing food or drinks.

# MATERIAL SAFETY DATA SHEET

## 14. TRANSPORT INFORMATION

PROPER SHIPPING NAME	Environmentally hazardous substance, liquid, N.O.S (Croton oil based insecticide)
HAZARD CLASS	9
UN NUMBER	3082
PACKING GROUP	III

## 15. REGULATORY INFORMATION

This product is registered with the Pest Control Products Board (PCPB), Government of Kenya as per the Pest Control Products Act 1982.

### R-Phrases

- a) R41- Risk of serious eye damage
- b) R50- Very toxic to aquatic organisms
- c) R53- May cause long term adverse effects in the aquatic environment

### S-Phrases:

- a) S2- Keep out of reach of children
- b) S25-Avoid contact with eyes
- c) S36- Incase of contact with eyes, rinse immediately with plenty of water, seek medical attention.
- d) S24 – If swallowed, seek medical advice immediately

## Legal disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements & local regulations. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

Review Date: 28<sup>th</sup> / July / 2021



Kapi Limited is certified as meeting the requirements of ISO 9001:2015

