

## MATERIAL SAFETY DATA SHEET

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### SECTION 1: CHEMICAL IDENTIFICATION

Product name: **Matcho 50 (LF 50)**

Manufacturer: Dor.Ky D&D LTD

P.O.B. 232, Nes Ziona 70400, Israel

Tel : (+)-972-8-9333474 Fax (8) 972-8-9330109

Emergency Tel.: The Israeli Poisoning Center ☎ +972 4 854 1900 📠 +972 4 854 2092

### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Lufenuron	cas 103055-07-8	50 gr/l
Dimethyl amide of fatty acid	cas 14433-76-2	80-120 gr/l
ingredients determined to be not hazardous	up to	1000 ml

Form: Liquid : milky liquid

Odor: Product specific .

### SECTION 3: HAZARDS IDENTIFICATION

Label Precautionary Statements:

Harmful if inhaled or swallowed..

Avoid contact with eyes and skin.

Avoid inhaling vapor or spray mist.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

### SECTION 4: FIRST-AID MEASURES

In case of poisoning by any exposure route contact a doctor or Poisons Information Centre.

Swallowed: If poisoning occurs contact a doctor or Poisons Information Centre. If swallowed DO NOT induce vomiting. Give a glass of water. Begin artificial respiration if victim is not breathing. Use mouth to nose rather than mouth to mouth.

Eye: Will irritate the eyes. Avoid contact with eyes. If product gets in eyes wash it out immediately with water.

Skin: Will irritate the skin. Avoid contact with skin. If skin contact occurs remove contaminated clothing and wash affected areas thoroughly with soap and water.

Inhaled: Move person to fresh air and keep at rest until recovered.

**ADVICE TO DOCTOR :** No specific antidote is available. If poisoning is suspected apply symptomatic therapy.

**ALWAYS READ AND FOLLOW THE LABEL INSTRUCTIONS AND WARNINGS**

## SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing media:** Water spray, carbon dioxide, foam, sand.

**Hazards from combustion products:** In a fire, formation of hydrogen chloride, carbon monoxide, and nitrogen oxide gases can be expected.

### **Precautions for fire fighters**

Fire fighters should wear full protective gear, including self-contained breathing apparatus

Keep unnecessary people away. If it can be done safely, remove intact

Containers from the fire. Otherwise, use water spray to cool them. Bund area with sand or

Earth to prevent contamination of drains or waterways. Dispose of fire control water or other

Extinguishing agent and spillage safely later. Do not release contaminated water into the Environment.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

In case of spillage it is important to take all steps necessary to:

\* ☐ Avoid eye and skin contact.

\* ☐ Avoid contamination of waterways.

### **Procedure for spill:**

Remove heavily contaminated soil layer and bury in a safe place away from water supplies.

(1) Keep all bystanders away.

(2) Wear goggles, half face-piece respirator with combined dust and vapour cartridge, full length clothing and PVC gloves.

(3) Reposition any leaking containers so as to minimise further leakage.

(4) Dam and absorb spill with an absorbent material (e.g. sand or soil).

(5) Shovel the absorbed spill into drums.

(6) Dispose of the absorbed material will depend upon the extent of the spill.

\* ☐ For quantities up to 50L of product bury in a secure landfill site.

\* ☐ For quantities greater than 50L seek advice from the manufacturer (use emergency contact number

below) before attempting disposal. Contain in a secure location until disposal method is established.

(7) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable .

## SECTION 7: HANDLING AND STORAGE

**Handling** Keep out of reach of children. Product is poisonous if swallowed. Wash hands after use. After each day's use, wash gloves and contaminated clothing.

**Storage** Store in the closed, original container in a cool, dry, well-ventilated area. Do not store for Prolonged periods in direct sunlight.

**Flammability** - Not flammable – water based product.



## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

No exposure standards have been set for the components of this product.

### **Exposure Potential -**

**Re-entry Period** -Under field conditions the spray should be allowed to dry on the foliage before re entry into treated areas.

### **ENGINEERING CONTROLS**

No special requirements. Product is used outdoors.

## **PERSONAL PROTECTION**

Harmful if inhaled or swallowed. Will irritate the eyes and skin. Avoid contact with eyes and skin. Avoid inhaling vapour or spray mist. When opening the container and preparing the spray and using

the prepared spray wear cotton overalls buttoned to the neck and wrist and a washable hat, elbowlength

PVC gloves and face shield or goggles. If product on skin, immediately wash area with soap and water. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and face shield or goggles and contaminated clothing. This product is non flammable.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**Formulation type:** EW emulsion in water

**Active Ingredient:** Lufenuron

**Chemical type:** benzoylurea

**USE:** Insecticide, an insect growth inhibitor.

### **PHYSICAL DESCRIPTION/PROPERTIES**

**Appearance:** milky liquid

**Flash Point:** min. 80° C Pensky martens

**Odour:** specific

**Flammability:** non

**Combustibility:** non

**Behaviour in water:** Emulsifiable

### **OTHER PROPERTIES**

**Viscosity:** No data

**Corrosiveness:** Non corrosive

**Volatility:** No data

**pH value:** 3-7

**Density:** 0.95-0.99 g/cm<sup>3</sup>

## **SECTION 10: STABILITY AND REACTIVITY**

Stability: stable.

Conditions to avoid: keep away from heat, spark and open flame.

## SECTION 11: TOXICOLOGICAL INFORMATION

### **Toxicity**

- This product is slightly hazardous (WHO Hazard Class III)
- Acute oral : LD 50 - 5000 mg/Kg ( Sprague Dawley rats )
- Acute dermal LD 50 >2000 mg/Kg ( Sprague Dawley rats )
- Acute inhalation LC 50 >2.10 mg/Liter ( Sprague Dawley rats )
- Skin irritation – non irritant (New Zealand white rabbit )
- Eyes irritation – non irritant (New Zealand white rabbit )
- Skin sensitization – non sensitizer as observed by the method of the Guinea pig maximization test (meganusson and Kligman1970) however, is classified as weak sensitizer as per ECETOC Monograph No. 14, 1990. Sensitization incidence Index (SII) =0.0% .

## SECTION 12: ECOLOGICAL INFORMATION

Avoid contamination of any water supply with chemical or empty container  
 Low acute and chronic toxicity to fish and algae; high acute and chronic toxicity to aquatic invertebrates (a.i)

## SECTION 13: DISPOSAL CONSIDERATIONS

- (a) Triple rinsing or preferably pressure rinsing containers with water. Add the rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site.
- (b) If recycling, replace cap and return clean containers to recycler or designated collection point.
- (c) If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots.
- (d) Burning of empty containers if circumstances, especially wind conditions, permit is an alternative method.

## SECTION 14: TRANSPORT INFORMATION

**UN Number:** UN 3082 PG III

**Hazchem Class:** 9

**Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s.( Lufenuron)

**Regulated limit:** N/A

Do not ship with food, cosmetics or medical supplies.

Notes: During transport, Pack strictly to prevent leakiness.

## SECTION 15: REGULATORY INFORMATION

Information appearing on label:

Wear suitable protective clothing, gloves and eye/face protection. Avoid breathing vapor.

Avoid unnecessary exposure.

Prevent contact with eyes, mouth and nose while using this product. In case of contact with eyes or skin, rinse immediately with plenty of water. In case of inhalation, relocate to ensure



thorough ventilation.

If swallowed and provided person is conscious, wash out mouth with water provided person is conscious. Seek medical advice (show the label where possible).

Keep away from reach of children, animals, drinking water, food and feed.

#### **SECTION 16: OTHER INFORMATION**

The above information is believed to be correct and is based on the most current and valid information known to us to date.