

# MATERIAL SAFETY DATA SHEET

## IDENTITY & MANUFACTURER'S INFORMATION

**NFPA Rating:** Health 2 : Flammability- 4 : Reactivity- 0 : Special-0

**HMIS Rating :** Health-2 : Flammability- 4 : Reactivity- 0 : Special-0 personal protection -b

**Dot Hazard Classification:** Orm-D

**Identity** (trade name as used on label): **Tak** ( flying insects killer )

**Manufacturers name :** JIPCO

**Address:** P.O.Box 151, Amman - 11118 - Jordan.

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prepared By: HF/FF

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Revision-0

Information Calls: +962 (6) 4611-306

NOTICE: JUDGEMENT BASED ON INDIRECT TEST

DATA

## SECTION 1 - MATERIAL IDENTIFICATION & INFORMATION

### COMPONENTS - COMMON NAMES AND PERCENTAGES W/W

TETRAMETHRIN	:	0.25 %
PIPERONYL BUTOXIDE	:	1.25 %
PERMETHRIN	:	0.05 %
FRAGRANCE OIL	:	0.30 %
Petroleum Distillates & Liquefied Petroleum Gases	:	98.15 %

## SECTION 2 PHYSICAL / CHEMICAL CHARACTERISTICS

**Boiling Point:** N/A

**Specific Gravity( H20=1):** Concentrate only= 0.800

**VAPOR PRESSURE:** PSIG @ 70F(Aerosols) 50-65

**Vapor Pressure** (Non- Aerosols) ( mm Hg and temperature) :N/A

**Vapor Density** (Air =1): N/E

**Evaporation Rate** ( =1)N/E

**Solubility in Water :** None

**Water Reactive:** No

**Appearance and Odor :** Stream spray with acetone petroleum distillate odor.

## SECTION 3- FIRE AND EXPLOSION HAZARD DATA

**FLAMMABILITY** as per USA FLAME Projection test (Aerosols) : **EXTREMELY FLAMMABLE**

**Flammability Limits in Air by % in Volume:** % LEL: N/E , % UEL: N/E

**Auto Ignition Temperature:** N/E

**EXTINGUISHER MEDIA:** Foam, dry chemicals, CO2

**FLASH POINT AND METHOD USED** (non - aerosols): N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Self-contained breathing apparatus.

**Unusual Fire & Explosion Hazards:** Do not expose aerosols to temperatures above 50 degree centigrade.

## **SECTION 4- REACTIVITY HAZARD DATA**

**STABILITY** (x) stable ( ) unstable                      **HAZARDOUS POL YMERIZATION** ( ) will (x) will not occur  
**Incompatibility** (materials to avoid): plastics, Asphalt, vinyl tiles, oxidizers & alkalis.  
**Conditions to Avoid:** open flame, welding arcs, heat, sparks.  
**Hazardous Decomposition products:** N/A

## **SECTION 5- HAZARD DATA**

**PRIMARY ROUTES OF ENTRY:** (x) inhalation ( ) ingestion ( ) skin absorption ( ) eye ( ) not hazardous

### **ACUTE EFFECTS**

**Inhalation:** excessive in halation of vapors can be harmful and may cause headache, dizziness, anesthetic effects, nausea, respiratory depression cholinesterase depression.

**EYE Contact:** irritation, burning, contact dermatitis, and temporary corneal injury.

**Skin Contact:** imitation, mild defatting of skin.

**Ingestion:** possible chemical pneumonitis if aspirated into lungs, nausea, vomiting.

**CHRONIC EFFECTS:** (effects due to excessive exposure to the raw materials of this mixture ) may cause cardiac abnormalities , central nervous system depression , kidney , liver damage, inhibits cholinesterase .

**Medical Conditions Generally Aggravated by Exposure:** may aggravate existing eye, skin, or upper respiratory conditions.

## **EMERGENCY FIRST AID PROCEDURES**

**Eye Contact:** flush with water for 15 minutes. If irritated, seek medical attention.

**Skin Contact:** Wash with soap and water. If irritated seek medical attention

**Inhalation:** Remove to fresh air. Resuscitate if necessary. Get medical attention

**Ingestion:** **DO NOT INDUCE VOMITING**, drink two large glasses of water. Get immediate medical attention.

## **SECTION 6- CONTROL AND PROTECTIVE MEASURES**

**Respiration Protection (Specify Type):** If vapor concentration exceeds TLV, use respirator approved for organic vapors

**Protective Gloves:** Rubber , if skin is easily irritated.

**Eye Protection :** Safety glasses recommended.

**Ventilation Requirements:** Adequate ventilation to keep vapor concentration below TLV.

**Other protective clothing & equipment:** None.

**Hygienic Work Practices :** Wash with soap and water before handling food. Remove contaminated clothing.

## **SECTION 7- PRECAUTIONS FOR SAFE HANDLING AND USE**

**Material spill or release:** Absorb with suitable medium. Incinerate or landfill according to local regulations. Do not flush to sewer.

**Waste disposal Methods:** Aerosol cans when vented to atmospheric pressure, pose no disposal hazard.

**Handling & Storage:** Do not puncture or incinerate containers. Do not store in temperatures above 50 deg. Centigrade.

**Special Hazards:** **KEEP OUT OF REACH OF CHILDREN**. Avoid food contamination. Avoid breathing vapors. Remove ignition sources.

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