



## MATERIAL SAFETY DATA SHEET

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### SECTION 1: CHEMICAL IDENTIFICATION

Product name: **Saifan SC Insecticide**

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 7771900

☎ +972 4 854 2092

### SECTION 2: HAZARDS IDENTIFICATION

H 302 Harmful if swallowed

H 410 Very toxic to aquatic life with long lasting effects.



To avoid risks to human health and environment comply with the instruction For use.

#### Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER/doctor/physician if you feel unwell.

P501 Dispose of contents/container in accordance with local regulation.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

	<u>CAS NO.</u>	
Imidacloprid	18261-41-3	350 gr/liter (35%)
Non hazardous ingredients (including emulsifiers, Stabilizers, antifungal agent and water)		Up to 100%



#### **SECTION 4: FIRST-AID MEASURES**

**Inhalation:** If inhaled, Remove to fresh air and keep at rest. Seek medical advice if at all worried.

**Eye contact:** Hold eyes open and rinse slowly and gently with water for 15 minutes. Remove Contact lenses, if present, after the first 5 minutes of rinsing. Get medical attention immediately.

**Skin contact:** Take off contaminated clothing. Wash affected areas with soap and water. Seek medical advice if at all worried.

**Ingestion:** obtain immediate medical advice as above. Do not induce vomiting unless Advised to do so by doctor or Poisons information center. Do not give anything by mouth to an unconscious or semi-conscious person.

#### **SECTION 5: FIRE FIGHTING MEASURES**

**Extinguishing media:** If product is involved in a fire, use water spray, foam, dry powder, carbon dioxide or sand.

**Special exposure hazards:** Fire may produce irritating or poisonous vapours (toxic compounds of carbon, nitrogen and chlorine), mists or other products of combustion.

**Protective equipment for firefighting:** Do not breathe fumes. Wear full protective clothing & self-contained breathing apparatus.

**Firefighting guidance:** Keep out of smoke. Fight fire from upwind position. Cool closed containers/tanks exposed to fire with water spray. Do not allow run-off to enter drains or watercourses.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Exercise appropriate precautions to minimize direct contact with skin and eyes and to prevent inhalation.

**Environmental precautions:** Do not allow material to enter streams, sewers, waterways or contact vegetation.

**Methods for cleaning up:** Dike contaminated area with inert material, such as sand.

Absorb spill and place in a closed and properly labeled waste drum for disposal. Flush spill residue with water. Contain run off.

#### **SECTION 7: HANDLING AND STORAGE**

**Handling:** Avoid contact with eye, skin and clothing. **Storage:** Keep container tightly closed. Keep in a cool dry place.

Keep out of reach of children.

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

Engineering measures: Safety shower and eye wash. Local exhaust ventilation.  
Occupational exposure limits  
Common name: Imidacloprid 35%  
TLV (ACGIH): Not established

Personal protective equipment :

Respiratory system: Wear approved mist respirator.  
Skin protection: Avoid contact with skin. Wear apron, boots and full protective suit.  
Hands: Chemical resistant gloves.  
Eyes: Chemical goggles or face shield.  
Environmental exposure controls: Keep away from food, drink and animal feedstuff.  
This material and its container must be disposed off as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data

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

Physical state: Grey to slightly beige liquid suspension.  
Odor: Characteristic low odor  
Density: approx. 1.05 at 20<sup>0</sup>C  
pH: 6-7.5  
Solubility in water: miscible with water.  
Flash point: > 100<sup>0</sup>C

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

Stability: Stable under normal storage conditions.  
Incompatibility with other materials: Strong bases, strong acids, strong oxidizing agents.  
Hazard decomposition products: none under normal conditions. In a fire, formation of hydrogen chloride, hydrogen cyanide, Carbon monoxide and nitrogen can be expected.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

Acute oral toxicity : LD50 860 mg/kg .  
Acute Dermal toxicity : LD50 >2000 mg/kg  
Acute Inhalation toxicity : LC50 > 1.078mg/Liter  
Acute dermal irritation: non Irritant to skin (rabbit)  
Acute eye irritation: non Irritant to eyes (rabbit) .  
Skin Sensitization: Non sensitizer as observed by the method of Guinea – Pig Maximization test .



## SECTION 12: ECOLOGICAL INFORMATION

Fish, golden orfe : LC50 (96 h): 237 mg/l (Imidacloprid)  
Daphnia magna: LC50 (48 h) 85 mg/l (Imidacloprid)  
Algae EC50: >100 mg/l (Imidacloprid)  
Bees: Imidacloprid is harmful to honeybees by direct contact, but no problems expected when not sprayed into flowering crop or when used as a seed treatment.  
Earthworms, LC50: 10.7 mg/kg dry soil. (Imidacloprid)  
Birds, Japanese Quails LD50: 31 mg/kg (Imidacloprid)  
Mobility: Imidacloprid and soil metabolites are to be classified as immobile; leaching into deeper soil layers is not to be expected if Imidacloprid is used as recommended.  
Persistence and degradability: Environmental DT50 c. 4 h. Besides sunlight, the microbial activity of a water/sediment system is an important factor for the degradation of Imidacloprid.

## SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations.

## SECTION 14: TRANSPORT INFORMATION

Un no. 3082  
Proper shipping name: Environmentally Hazardous substance liquid.  
NOS ( Imidacloprid )  
Transport Hazard class 9 PG III

## SECTION 15: REGULATORY INFORMATION

Risk phrases:  
R22: Harmful if swallowed  
Safety phrases:  
S01 : Keep locked up  
S02 : Keep out of reach of children  
S09 : Keep container in a well ventilated place  
S13: Keep away from food, drink and animal feedstuffs  
S46: If swallowed, seek medical advice immediately and show this container or label.

## 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.