



# MATERIAL SAFETY DATA SHEET

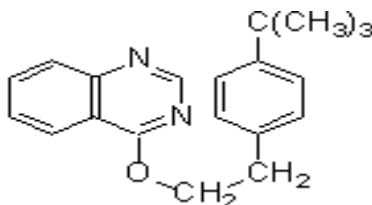
## Queen 10 EC

### IDENTIFICATION OF THE SUPPLIER:

**Agro Chemical Industries LTD (ACI)**  
**Amman – Jordan**  
**P.O.Box 183020 Amman 11118 Jordan**  
**Tel. +962 6 5548224/5**  
**Fax. +962 6 5548220**  
**Website / E-mail: [www.aci.com.jo](http://www.aci.com.jo) / [info@aci.com.jo](mailto:info@aci.com.jo)**

### PRODUCT IDENTIFICATION:

**Trade Name:** Queen 10 EC  
**Uses category:** Miticide – insecticide  
**Type of formulation:** Emulsifiable Concentrate (EC)  
**Common name:** fenazaquin  
**Chemical Name:** 4-tert-butylphenethyl quinazolin-4-yl ether.  
**Structural formula:**



### PRODUCT COMPOSITION:

**Active Ingredient:**

Fenazaquin 10.5 % w/v

**Inert ingredient:**

Dispersing & suspending agent 7.2 % w/v  
Solvent up to 100 %



## HAZARDS IDENTIFICATION:

### Hazard description:

Xn Harmful

N Dangerous for the environment



### - Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for Preparations of the EU" in the latest valid version.

R 22 Harmful if swallowed.

R 51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

### Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### GHS label elements:

Warning



H302 - Harmful if swallowed.



H411 - Toxic to aquatic life with long lasting effects.





### Prevention:

- P273 Avoid release to the environment.
- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.

### Response:

- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 Rinse mouth.

### Disposal:

- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### First AID MEASURES: -

**Inhalation:** remove victim to fresh air and keep at rest. If you unwell, seek medical advice.

**If swallowed:** induce vomiting, consult a doctor immediately.

**Skin contact:** remove contaminated clothing. Wash off with plenty of water and soap. Consult a doctor if irritation persists.

**Eye contact:** wash out with plenty of water for at least 15 minutes. Consult an eye specialist

### FIRE-FIGHTING MEASURES: -

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**Protective equipment:** No special measures required.





## ACCIDENTAL RELEASE MEASURE:

- **Person-related safety precautions:** Not required.

- **Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

- **Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

## HANDLING AND STORAGE:

- **Handling:**

- **Information for safe handling:**

Ensure appropriate measures (eg engineering controls and/or personal protective equipment) are in place to minimise exposure – see Section 8. Avoid inhaling vapour and contact with skin or eyes. Earth bulk containers to prevent static build up.

- **Information about fire - and explosion protection:** No special measures required.

- **Storage:**

- **Requirements to be met by storerooms and receptacles:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** Keep container tightly sealed.





## Exposure control / PERSONAL PROTECTION:

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

- **Respiratory protection:** Not required.

- **Protection of hands:**

Protective gloves



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.





### - Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Goggles recommended during refilling.

## PHYSICAL AND CHEMICAL PROPERTIES:

<b>Color:</b>	Light brown liquid
<b>Odor:</b>	Characteristic odor
<b>PH:</b>	7
<b>Density:</b>	0.98 g/ml $\pm$ 0.05

## STABILITY AND REACTIVITY:

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

## TOXICOLOGICAL INFORMATION:

### - Acute toxicity:

#### LD/LC50 values relevant for classification:

Oral LD50 511 mg/kg (rat)  
Dermal LD50 >5000 mg/kg (rabbit)  
Inhalative LC50/4 h 2, 7 mg/l (rat)

#### Primary irritant effect:

**On the skin:** No irritant effect.

**On the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.





**- Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification

**Guidelines for Preparations as issued in the latest version:**

Harmful

**ECOLOGICAL INFORMATION: -**

**Ecotoxicological effects:**

**Remark:** Toxic for fish

**General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

**DISPOSAL CONSIDERATIONS:**

Triple rinse container and add rinsate to spray tank, burn, if circumstances, especially wind direction permit, otherwise dispose of at an approved landfill. Dispose of this product only by using in accordance with label direction. Dispose of solid contaminated material / or contaminated soil in an approved landfill. Disposal must be in accordance with applicable local regulation.

