



# MATERIAL SAFETY DATA SHEET

## Negmite 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:

**Common Name:** hexythiazox 10% w/v  
**Trade Name:** Negmite 10 EC  
**Uses category:** Acaricide  
**Type of formulation:** emulsifiable concentrate  
**Chemical Name:** (4RS, 5RS)-5-(4-chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-1, 3-thiazolidine-3-carboxamide  
**Chemical Formula:** C<sub>17</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight:** 352.9

### PRODUCT COMPOSITION:

<b>Active Ingredient:</b>	<b>% w/v</b>	<b>CAS #</b>
Hexythiazox	10% w/v	[78587-05-0]
<b>Inert ingredient:</b>		
Ionic or non ionic surfactant blend (Atolx)	8.3 %	—
Xylene solvents	up to 100 %	[1330-20-7]





## HAZARDS IDENTIFICATION:

Hazard classification	Classified as hazardous
Hazardous	Substance
DANGEROUS	Goods
Hazard classification	According to the criteria of NOHSC
Dangerous goods classification	According to the Australia dangerous goods code

## FIRE-FIGHTING MEASURES: -

Suitable extinguishing media	Water fog, foam, carbon dioxide or dry chemical.
Hazards from combustion products	If involved in a fire, the dehydrated components may emit oxides of carbon, oxides of nitrogen, sulfur compounds and chlorine compounds.
Special protective equipment for fire fighters	Breathable air apparatus should be worn when fighting a fire in which this product is involved.
Specific Hazards	Flammable liquid. Avoid all ignition sources. Do not smoke.
Hazchem code	2W.
Other Information	Stop fire water from entering drains or water bodies

## ACCIDENTAL RELEASE MEASURE:

Spills & Disposal	Shut off all possible sources of ignition. Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite).
Personal Protection	For appropriate personal protective equipment (PPE)

## PERSONAL PROTECTION/SAFTETY:

National exposure standards	NOHSC has set the following exposure standard for xylenes: TLV (TWA) 350 mg/m <sup>3</sup> , STEL 655 mg/m <sup>3</sup> .
Engineering controls	Provide ventilation as required to maintain airborne concentration levels below the exposure standard.
Personal protective equipment	It is good practice to wear suitable personal protective equipment (PPE).When opening the container, preparing spray and using the prepared spray wear cotton overalls buttoned to The neck and wrist and a washable hat, elbow-length PVC gloves and goggles.





#### Hygiene Measure

After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.

#### Requirements Concerning Special Training

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

### HANDLING AND STORAGE:

Precautions for safe handling	Do not contaminate dams, rivers or streams, or any other water bodies with chemical or used containers.
Conditions for safe storage	Store in the closed, original container in a dry, cool well ventilated area out of direct sunlight. Store in an area suitable for flammables.
Other information	Always read the label and any attached leaflet before use

### STABILITY AND REACTIVITY:

Chemical stability	Stable under normal conditions.
Hazardous reactions	Keep away from strong oxidizing agents.
Hazardous polymerization	Hazardous polymerization is not possible.

### PHYSICAL AND CHEMICAL PROPERTIES:

Form	Liquid
Appearance	Amber liquid
Odor	Mild chemical odor
Solubility in Water	Forms an emulsion in water.
Specific Gravity	0.904
Vapour Pressure	0.0034 mPa @ 25°C for hexythiazox
Volatile Component	83%
Octanol/Water Partition Coefficient	Kow Log P is 2.53 for hexythiazox
Flash Point	24°C
Flammability	Flammable.
Auto-Ignition Temperature	465°C for xylene
Flammable Limits - Lower	1% by volume (for xylene)
Flammable Limits - Upper	7.5% by volume (for xylene)





## TOXICOLOGICAL INFORMATION:

Toxicology Information	No harmful effects are expected if the precautions on the label and this MSDS are followed.
Inhalation	High vapour concentrations of the solvent while handling the concentrate are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, and may have other central nervous system effects.
Ingestion	Possible symptoms of exposure include: symptoms of central nervous system depression as described under inhalation.
Skin	Will irritate the skin. Prolonged contact with the concentrate can cause defatting of the skin and may result in dermatitis.
Eye	Will irritate the eyes.
Reproductive Toxicity	Data indicates no teratogenic effects.
Mutagenicity	Data indicates no mutagenic effects.
Acute Toxicity – Oral	LD50 (rat) >5000 mg/kg for hexythiazox
Acute Toxicity - Dermal	LD50 (rat) >5000 mg/kg for hexythiazox
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >2 mg/l for hexythiazox
Eye Irritation	The product is an eye irritant.
Skin Irritation	The product is a skin irritant.
Skin Sensitization	Product is not a skin sensitizer.
Other Information	The Australian Acceptable Daily Intake (ADI) for hexythiazox for a human is 0.03 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 3 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species.

## ECOLOGICAL INFORMATION: -

Persistence / Degradability	Half life in soil is typically 8 days.
Other Precautions	Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.
Environ. Protection	Marine pollutant.
Acute Toxicity – Fish	The following is data for the active ingredient, hexythiazox. LC50 (96hr) for rainbow trout is >300 mg/l. LC50 (96hr) for bluegill sunfish is 11.6 mg/l.
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia is 0.24 mg/l
Acute Toxicity - Other Organisms	The following data is for the active ingredient, hexythiazox. LD50 for mallard ducks is >2510 mg/kg Bees: Not toxic to bees. LD50 >200 µg/bee.





## DISPOSAL CONSIDERATIONS:

### Product Disposal

On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals

### Container Disposal

Do not use this container for any other purpose. Triple rinse containers; add rinsate to the spray tank, then offer the container for recycling/reconditioning, or puncture top, sides and bottom and dispose of in landfill in accordance with local regulations. Drum MUSTER is the national program for the collection and recycling of empty, cleaned, non returnable crop production and on-farm animal health chemical containers. If the label on your container carries the drum MUSTER symbol, triple rinse the container, ring your local Council, and offer the container for collection in the program. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, puncture or shred and bury containers in local authority and fill. If no landfill is available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt

