

Safety Data Sheet

Nematak[®] 400EC

Date of issue: 30th March, 2011

1) Identification of Substance:		
Product name:	Nematak 400EC	
Active Ingredient(s):	400g/litre fenamiphos	
ACVM Approval:	P7636	
ERMA Approval:	HSR007769	
Distributed by:	Adria Crop Protection P.O. Box 535 Kumeu 1250 Auckland Ph: 09-412-9817 Fax: 09-412-9807 www.adriacp.co.nz	
Emergency Number:	National Poisons Centre 0800 POISON 0800 764 766	
2) Hazards Identification:		
Hazard classifications:	Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.	
HSNO Classifications:	3.1C, 6.1B, 6.1C, 6.1D, 6.3B, 6.4A, 6.9A, 9.1A, 9.2B, 9.3A, 9.4A	
Risk and safety phrases:		
3) Composition Details:		
Chemical identity:	Fenamiphos	
Chemical identity of ingredients:		
Ingredient:	CAS No.:	Content (%w/v)
Fenamiphos	22224-92-6	40 %
Hydrocarbon solvent		>20%
4) First Aid Measures:		
General Information:	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	
Skin contact:	After contact with skin, wash immediately with soap and water.	
Eye contact:	If product or spray enters eyes, wash out immediately and continue rinsing with clean water for at least 15 minutes. Obtain medical attention.	
Ingestion:	If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre on 0800 POISON (0800 764766) or a doctor immediately.	

Inhalation:	Remove to fresh air. If person is not breathing then give artificial respiration and call 111 for an ambulance,
Further Information:	Adria Crop Protection – Ph: 09-412 9817
5) Fire-Fighting Measures:	
Specific hazards:	In a fire, hydrogen cyanide, carbon monoxide, phosphorus pentoxide, sulphur dioxide and nitrogen oxides may be formed.
Extinguishing media and methods:	Water spray, foam, dry chemical, carbon dioxide, sand.
Recommended protective clothing:	Self contained breathing apparatus and full protective clothing.
6) Accidental Release Measures:	
Personal precautions:	Wear appropriate protective clothing.
Environmental precautions:	Prevent material from entering waterways.
Spill procedures:	Absorb spills with inert material and place in waste containers. Wash area with water and absorb with further inert material.
Disposal procedures:	Dispose of waste safely, according to local Council regulations.
7) Handling & Storage:	
Handling:	This material may be harmful if swallowed, inhaled or absorbed through the skin. May cause reproductive/developmental damage and/or organ damage from repeated oral exposure at high doses. Do not eat, drink or smoke while using product. Remove protective clothing immediately after handling this product and wash hands and skin before meals and after work. May cause skin and eye irritation. Avoid contact with eyes and skin.
Storage:	Store in original container tightly closed and in a locked dry, cool, well ventilated area away from foodstuffs. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of the product that is older than this.

8) Exposure Control / Personal Protection:	
Engineering measures:	Provide general and/or local exhaust ventilation to control airborne levels.
Respiratory protection:	When required for certain operations, use an air-purifying respirator for dust/mist that complies with relevant NZ Standards.
Eye protection:	Use chemical goggles or a full-face respirator.
Hand protection:	Use chemical resistant gloves.
Other protective equipment:	
Hygiene measures:	Do not eat, drink or smoke while using product. Remove protective clothing immediately after handling this product and wash hands and skin before meals and after work.
9) Physical & Chemical Properties:	
Form:	Emulsifiable Concentrate Liquid
Colour:	Amber
Odour:	Aromatic hydrocarbon odour
Melting point/boiling point:	N/A
Density:	1 000 g/L
Surface tension:	N/A
pH:	7,0
Flash point:	± 30 °C
Ignition Temperature:	Not established
Explosive Limits:	Not established
10) Stability & Reactivity:	
Conditions to avoid:	Avoid temperature extremes.
Materials to avoid:	Oxidising agents, bases.
Hazardous reactions:	In a fire, phosphorous pentoxide, sulphur dioxide, carbon monoxide, and nitrogen oxides may be formed.
11) Toxicological Information:	
Acute oral toxicity:	Acute oral LD50 for male and female rats c. 6, mice, dogs and cats c. 10 mg/kg (for fenamiphos)
Acute inhalation toxicity:	LC50 (4 h) for rats c. 0.12 mg/l air (for fenamiphos)
Acute dermal toxicity:	Acute percutaneous LD50 for rats c. 80 mg/kg (for fenamiphos)
Skin irritation:	Slight irritant
Eye irritation:	Slight irritant
Sensitisation:	N/A
12) Ecological Information:	
Acute fish toxicity:	LC50 (96 h) for bluegill sunfish 0.0096, rainbow trout 0.0721 mg/l
Toxicity for daphnia:	LC50 (48 h) 0.0019 mg/l
Toxicity to algae:	ErC50 for <i>Scenedesmus subspicatus</i> 11 mg/l

13) Disposal Considerations:

Disposal:



Triple rinse container and add residue to spray tank. Return empty container to an AgRecovery collection point for disposal.

Empty container precautions:

VERY TOXIC TO AQUATIC ORGANISMS. Avoid contamination of any water supply with chemical or empty container.

14) Transportation Information:

Rail/road (RID/ADR):

Organophosphorous insecticide, Liquid (Fenamiphos), Toxic Class 6
Packing group II
UN: 3018



Sea (IMDG code):

Organophosphorous insecticide, Liquid (Fenamiphos), Toxic Class 6
Packing group II
UN: 3018
Marine pollutant



Air (ICAO/IATA):

Organophosphorous insecticide, Liquid (Fenamiphos), Toxic Class 6
Packing group II
UN: 3018



15) Regulatory Information:

Approved handlers:

Yes. A record must be kept of the use and disposal of this product. Tracking required.

ACVM controls:

See www.nzfsa.govt.nz/acvm/ for registration conditions.