

AGPRO DIRECT SAFETY DATA SHEET

DIRECT

AGPRO CANYON

Issue Date: 20/03/2018

1. SUBSTANCE IDENTIFICATION:

AGPRO Canyon

SUPPLIER NAME: AGPRO NZ Limited
SUPPLIER CODE: None
SUPPLIER ADDRESS: 10 Polaris Place, East Tamaki, Auckland.
SUPPLIER PHONE: 09 273 3456 SUPPLIER FAX: 09 273 3457
EMERGENCY PHONE: 0800 POISON
CHEMICAL FAMILY: Organophosphate
USE: Canyon is a nematicide for use on carrots, kiwifruit, kumaras, lucerne and potatoes.

2. HAZARDS IDENTIFICATION:

HAZARD CLASSIFICATION: Flammable liquid, Danger, Ecotoxic
3.1C - Warning. Flammable liquid and vapour.
6.1B - Danger. Fatal if swallowed, inhaled or absorbed through skin.
6.3B - Warning. Causes mild skin irritation.
6.9A - Danger. Causes damage to organs through prolonged or repeated exposure.
8.3A - Danger. Causes serious eye damage.
9.1A - Warning. Toxic to aquatic life.
9.2B - Toxic to the soil environment.
9.3A - Warning. Very toxic to terrestrial vertebrates.
9.4A - Warning. Very toxic to terrestrial invertebrates

3. COMPOSITION/INFORMATION ON INGREDIENTS:

CHEMICAL NATURE: Nematicide
Pure Substance
CHEMICAL IDENTITY: fenamiphos
Mixture

Ingredient	CAS No.	Content %w/v
fenamiphos	22224-92-6	38.1%
polyoxyethylene alkylphenol ether	9077-65-0	2.86%
other ingredients		up to 100%

4. FIRST-AID MEASURES:

GENERAL INFORMATION: Remove any contaminated clothing and footwear immediately. Contact National Poisons and Hazardous Chemicals Information Centre ph 0800 764 766 (0800 POISON) for further advice. Seek medical advice, especially if symptoms persist.

SKIN CONTACT: In case of contact, immediately wash affected area with soap and water. Wash contaminated clothing before reuse. Seek medical advice if irritation persists.

EYE CONTACT: Hold eyes open and rinse with water for at least 15 minutes. Remove contact lenses if easy to do so.

INGESTION: Wash out mouth with water. Do NOT induce vomiting. Give a glass of water. Transport patient to doctor or hospital as quickly as possible.

INHALATION: Immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Carry out artificial respiration if necessary.

5. FIRE FIGHTING MEASURES:

SPRIFICHAZARDS DURING: Hydrogen cyanide, carbon monoxide, phosphorus fire fighting: pentoxide, sulphur dioxide and nitrogen oxides may be formed in a fire.

EXTINGUISHING MEDIA: Water spray, foam, dry chemical, carbon dioxide, sand.

RECOMMENDED PROTECTIVE CLOTHING: Fire fighters should wear full protective gear, including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

EMERGENCY PROCEDURES:	Extinguish any nearby sources of ignition.
PERSONAL PRECAUTIONS:	Ensure suitable personal protection during removal of spillages - wear either goggles and half face respirator with dust and vapour cartridge or full face respirator with dust and vapour cartridge along with impermeable gloves, coat, hat and trousers.
ENVIRONMENTAL PRECAUTIONS:	Prevent spills and washings from entering any waterway.
PROCEDURE FOR SPILL:	Keep bystanders away. Wear above mentioned protective equipment. Contain the spill and recover spilt product with sawdust or other inert absorbent material then place recovered material into a properly labelled and secured drum. Contaminated material must be disposed of in accordance with all local authority requirements. <ul style="list-style-type: none">•For quantities up to 50L of product bury in a secure approved landfill site.•For quantities greater than 50L seek advice from the manufacturer before attempting disposal. Contain in a secure location until disposal method is established. Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.

7. HANDLING AND STORAGE:

HANDLING AND USE:	Handle only in areas with appropriate exhaust ventilation. Wear appropriate safety gear (See section 8).
STORAGE:	Store in original containers tightly closed in a cool, well ventilated place accessible by authorized persons only. Store away from sources of ignition, food and feedstuffs.
STORAGE STABILITY:	Storage duration: 24 Months. Protect from temperatures above 40 °C
STORAGE SITE REQUIREMENT:	Stores containing more than 100 litres of this product require emergency response plans, secondary containment systems and are subject to signage. Note: When stored with substances of the same hazard the aggregate quantity must be considered.
APPROVED HANDLER:	Approved handlers are not required for this product except during use. This product must be under the control of an approved handler if it is being applied in a wide dispersive manner or by a commercial contractor.
RECORD KEEPING:	Record of use must be kept for 3 years.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

RESPIRATORY PROTECTION:	Use suitable respiratory protection where there is insufficient ventilation.
HAND PROTECTION:	Impervious gloves.
EYE PROTECTION:	Chemical goggles/face protection.
OTHER PROTECTIVE EQUIPMENT:	Wear suitable impervious protective clothing.
HYGIENE MEASURES:	Avoid contact with eyes and skin. Store work clothes and street clothes separately. Wash hands before breaks and at the end of work. Change contaminated protective clothing. Wash work clothing separately. Do not eat, drink or smoke whilst handling or using.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPARANCE:	Clear yellow liquid
ODOUR:	Mild aromatic odour
FLASH POINT:	40 °C
SOLUBILITY:	Emulsifies in water
SPECIFIC GRAVITY:	1.05 g/l at 20 °C

10. STABILITY AND REACTIVITY:

HAZARDOUS REACTIONS:	Stable under normal conditions.
CONDITIONS TO AVOID:	Do not store below 4 °C or above 48 °C.
INCOMPATIBILITY:	Avoid mixing with strong oxidizing agents and strong alkalis.

11. TOXICOLOGICAL INFORMATION:

END USE PRODUCT:	
ORAL TOXICITY:	LD50 rat (female): 10.0 mg/kg
DERMAL TOXICITY:	LD50 rat: 191.0 mg/kg.
ACUT INHALATION TOXICITY RAT:	LC50 (4 h): > 1.5 mg/L
EYE IRRITATION:	Slightly irritating (rabbit).
SKIN IRRITATION:	Slightly irritating (rabbit). eyes

12. ECOLOGICAL INFORMATION:

FOR FENAMIPHOS TECHNICAL:

FISH:	LC50 (96 h) for rainbow trout 0.0721mg/l and 0.0096 mg/l for bluegill sunfish.
DAPHNIA:	LC50 (48 h) 0.0019 mg/l.
ALGAE:	EC50 for <i>Scenedesmus subspicatus</i> 11 mg/l.
BIRDS:	Acute oral LD50 for bobwhite quail 0.7 – 1.6, mallard ducks 0.9 – 1.2 mg/kg. Dietary LC50 (5 d) for mallard ducks 316, bobwhite quail 38 mg/kg diet.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL:	Ensure product is not discharged into the environment. The best method of disposal is to use according to label directions. For disposal, use a certified disposal company.
EMPTY CONTAINER:	Remove all residues after final product withdrawal. Once product precautions: residues adhering to container walls have been rendered harmless, the product and hazard labels must be invalidated. Containers may be recycled with a certified drum recycling company.
PROCEDURE OF DISPOSAL:	i, Triple rinse containers and add rinsate to spray tank. Do not dispose of undiluted product on site. ii, Burn rinsed container in a suitable incinerator if circumstances, especially wind direction, are suitable. Otherwise bury in suitable landfill. iii, Dispose of product or unused spray mix according to label instructions.

14. TRANSPORT INFORMATION:

RAIL/ROAD (RID/ADR):	UN 3018 Organophosphorus Pesticide, Liquid, Toxic (fenamiphos). Class 6, Packing Group II, Hazchem 2X.
SEA (IMDG-Code):	UN 3018 Organophosphorus Pesticide, Liquid, Toxic (fenamiphos). Class 6, Packing Group II, Hazchem 2X. Marine Pollutant.
AIR (ICAO/IATA):	UN 3018 Organophosphorus Pesticide, Liquid, Toxic (fenamiphos). Class 6, Packing Group II, Hazchem 2X.

15. REGULATORY INFORMATION:

HSNO APPROVAL NUMBER:	HSR100282
HSNO CONTROLS:	See www.epa.govt.nz for controls.
APPROVED HANDLERS:	Approved Handlers required at time of use.
ACVM REGISTRATION:	P008091
ACVM CONTROLS:	See www.nzfsa.govt.nz/acvm for registration conditions.

16. OTHER INFORMATION:

This information and recommendations contained herein are based on information believed to be correct. However, no guarantee or warranty of any kind, expressed or implied is made with respect to the information provided herein.