



Enzone™

Soil fumigant for the control of Phylloxera in grapes

Active Ingredient: 402 g/litre of sodium tetrathiocarbonate in the form of a water soluble concentrate.

Read the Label Carefully before use

NET CONTENTS:
200 Litres

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Registered pursuant to ACVM Act 1997, No. P4522
HSNO Approval Code HSR000813

SOIL FUMIGANT

HARMFUL – KEEP OUT OF REACH OF CHILDREN ECOTOXIC

HSNO Class: 6.1D, 6.4A, 6.6B, 6.8A, 6.9B, 8.2C, 9.1C,

ENVIRONMENTAL WARNING: ECOTOXIC - HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS. Avoid contamination of any water supply with product or empty container.

HEALTH WARNING: DANGER – may cause skin burns. HARMFUL – may be harmful if swallowed, inhaled or absorbed through the skin. May cause eye irritation. Avoid eye contact or inhalation. Repeated oral exposure at high doses is suspected of causing mutations in cells and reproductive damage. TOXIC – repeated exposure at high doses is suspected of causing damage to the respiratory system.

PRODUCT DISPOSAL: Ensure unwanted product is used by another operator strictly in accordance with label directions.

CONTAINER DISPOSAL: Triple rinse container and add residue to spray tank. Burn if permitted and circumstances, especially wind direction allow, otherwise bury in landfill.

Handling Precautions: When mixing or applying, wear protective clothing, gloves and goggles. Wash splashes of concentrate from skin immediately. Do not eat, drink or smoke while using. Wash hands and face before meals and after work. Wash protective clothing after work. Store in original container away from feed, seeds and foodstuffs. Flush spray equipment thoroughly with clean water after use.

STORAGE: Store in original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. This product is classified under HSNO as 6.1D and storage of certain quantities may require bunding and signage. See the HAZNOTE for further information.

When stored appropriately this product should show no significant degradation for 2 years. Contact your supplier for further information about the use of any product that is older than this.

First Aid: FIRST AID: If swallowed do NOT induce vomiting. For advice, contact the **NATIONAL POISONS CENTRE 0800 POISON (0800 764 766)** or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

PRODUCT INFORMATION

ENZONE is a water soluble soil fumigant for the management of phylloxera in vineyards. Applications are made by metering **ENZONE** into irrigation water. **ENZONE** controls only those pests that are in the wetted zone at the time of treatment, and may not affect pests that migrate in or hatch after treatment. Multiple applications in a single cropping season may be necessary. **ENZONE** is a non-systemic, non-persistent material that should be used as a management tool in a pest control programme.

WATER QUALITY

1. **Do not use ENZONE with any chlorinated water, e.g. town supply water, as chlorine will degrade the product.**
2. Before using **ENZONE**, check in a bucket, a pre-mix of the concentration that will be used during application. Measure the pH of the mixture. It should be within pH 7 – pH 9. If it is below pH 7, add 50% sodium hydroxide (caustic soda) to the mixture until it comes within the correct range. Caustic soda 50%

- liquid will need to be added to the **ENZONE** prior to irrigation, in the same ratio as found necessary in the test solution. The injection rate during **ENZONE** application will need to be increased to allow for the increased liquid being injected in order to maintain the **ENZONE** a.i. level in the irrigation water.

DIRECTIONS FOR USE

- Soil should be near field capacity at the time of application. Do not apply **ENZONE** to water-logged soils. **ENZONE** treatments should not be made in the first irrigation following an extended period without an irrigation.
- The irrigation system must be maintained properly. Prior to application, the system should be checked to determine the uniformity of water flow. Any plugged emitters should be replaced.
- Ensure that irrigation system is set up with flow meter and necessary back stop valves to safeguard the water supply. If in doubt consult your local Fruited Supplies Limited representative.
- Continuously meter **ENZONE** through irrigation system to maintain concentration over a 6-12 hour period. Soil should not be wetted to the point of run-off during treatments. As irrigation schedules permit, a 3 – 14 day interval between applications is recommended.
- Continue irrigation 1-2 hours after lines and emitters are flushed clear of **ENZONE** solution in order to seal the soil.
- Do not irrigate within 48 hours of the **ENZONE** treatment, or loss of effectiveness may result.
- DO NOT allow the concentration to drop below the minimum recommended ppm a.i. DO NOT allow injection time to fall below the minimum and DO NOT exceed the maximum literage per treatment.
- Inject **ENZONE** into the irrigation system downstream of the filter(s) in order to avoid back flushing of the treated water.

CALCULATING THE RATE

- Calculate the flow rate of water in Litres per Hour per Hectare (LHHA) using the following formula:-

$$\text{LHHA} = (\text{vines per ha}) \times (\text{emitters per vine}) \times (\text{litres/hour/emitter})$$
- Calculate the amount of **ENZONE** per hectare:-

$$\text{ENZONE litres/ha} = \frac{\text{ppm a.i.} \times \text{LHHA} \times \text{hours of injection}}{400,000}$$

RATE

Method	PPM A.I.	Hrs Injection	Litres/ha/treatment	#Treatments / year	Max. Litres/ha/year
Drip and low volume sprinklers	700 - 1450	6-12	45-100	2-3	700

Treatments may be applied over the whole season. Consult, if necessary, your local Fruited Supplies representative on number of applications and timing for your region.

NOTES

- Depending on the age and condition of the crop, injury may occur when ambient air temperature exceeds 32°C for 5 hours on the day of application. If this is likely, use the lowest concentration in the table. Crop must be at least 1 year old or injury may occur.
- Best results will be obtained with 2 or more emitters per vine. The greater the wetted area, the better the result.
- Do not inject any other chemicals or fertiliser simultaneously with **ENZONE**.
- Do not mix with, or rinse equipment with water containing, an acid or oxidising agent.
- Repeated usage of **ENZONE** may reduce soil pH over time. Check the soil pH annually and lime if necessary to maintain desired level.
- Do not apply to surface water. Runoff from treated areas may be hazardous to the aquatic organisms in adjacent aquatic sites. Do not contaminate water with equipment or washwaters and rinsate.
- Do not use on greenhouse grown grapevines.

WITHHOLDING PERIOD

Do not apply within 2 weeks before harvest.

Exclusion of Liability: Please Read

To the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Elliott Technologies Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply of these goods.

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Batch No.

DOM



SHIPPING
NAME:

Corrosive Liquid, N.O.S.
(Contains Sodium
Tetrathiocarbonate)

UN
NUMBER:
PACKING
GROUP:

1760

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