

MATERIAL SAFETY DATA SHEET

IN CASE OF EMERGENCY CALL CHEMTREC 1-800-424-9300
OR NATIONAL PESTICIDE INFORMATION CENTER (NPIC) 1-800-858-7378

1. Identification of the substance/preparation and company/undertaking:

Product name: Abide®
Use of preparation: Horticultural plant growth regulator for professional use
Distributed by: Fine Americas, Inc.
1850 Mt. Diablo Blvd., Suite 405
Walnut Creek, CA 94596, USA
Tel: 925-932-8800

2. Composition:

Chemical name: A soluble concentrate containing 0.0264% w/w ancymidol
CAS No.: 12771-68-5 (active ingredient)
EPA Reg. No.: 62097-22-82917

3. Hazards identification:

KEEP OUT OF REACH OF CHILDREN

Toxicity category: III (EPA)
EPA Signal Word: Caution

Harmful if swallowed or absorbed through skin. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Wear long sleeved shirt and long pants, socks, shoes, and chemical resistant gloves. Remove and wash contaminated clothing before reuse.

4. First aid measures:

After inhalation: If high concentrations are inhaled, and any irritation is experienced, remove to fresh air. Call a poison control center or doctor for treatment advice if irritation persists.

After skin contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

After eye contact: Immediately wash out with plenty of water for at least 15 minutes. Irrigate eyes thoroughly whilst lifting eyelids. Call a poison control center or doctor for treatment advice.

After swallowing: Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

5. Fire fighting measures:

Flammability:	Not flammable.
Extinguishing media:	Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions.
Fire fighting equipment:	Wear full protective clothing and self-contained breathing apparatus.
Special exposure hazards:	Prevent run off water from entering drains if possible.

6. Accidental release measures:

Personal precautions:	Wear protective clothing as per section 8.
Environmental precautions:	Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.
Methods for cleaning up:	Absorb spillage in inert material and shovel up. Ventilate the area and wash spill site after material pick-up is complete.

7. Handling and storage:

Handling:	<ul style="list-style-type: none"> - Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. - Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. - Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
Storage:	Do not contaminate water, food or feed by storage or disposal. Avoid freezing. Store in original container only. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

8. Exposure controls/personal protection:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

In California, applicators and other handlers must wear:

- Coveralls
- Chemical-resistant gloves made of any waterproof material, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton
- Shoes plus socks

For washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. Physical and chemical properties:

General information

- Appearance: Clear colorless liquid
- Odor: Odorless

Important health, safety and environmental information

- pH: 7.5
- Boiling point: ~100°C
- Flash point: Does not flash below 100°C
- Flammability: Not determined
- Explosive properties: Not explosive
- Oxidizing properties: Not oxidizing
- Vapor pressure: Not determined
- Relative density: 1.00 g/ml at 20°C
- Solubility
 - water solubility @ 20°C: Completely soluble
 - fat solubility: Not miscible in hydrocarbon oil
- Viscosity: 1.59 mPa.s at 20°C

10. Stability and reactivity:

Stable in original containers for at least 2 years at ambient temperatures.

Conditions to avoid: Excessive heat
 Materials to avoid: Not determined
 Hazardous decomposition products: Not determined

11. Toxicological information:
Acute toxicity:

- Oral: LD₅₀ rat: category 3 > 2 000 mg/kg
- Inhalation: LC₅₀ rat: category 4 >5.31 mg/l
- Dermal: LD₅₀ rat: category 3 >2 000 mg/kg

Irritation:

- Eye: Non-irritant
- Skin: Non-irritant
- Respiratory tract: Non-irritant

Sensitization:

- Skin: Non-sensitizing

Carcinogenicity: No data

Mutagenicity: No data

Reproductive toxicity: No data

Chronic toxicity: No data

12. Ecological information:

Ecotoxicity: On available data, substance is not harmful to aquatic life.
 Mobility: Completely soluble in water.
 Persistence and biodegradability: No information available.
 Bioaccumulation potential: No information available.

13. Disposal considerations:

Product disposal: Do not contaminate water, food or feed by storage or disposal.
 Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Packaging disposal: 5 gallons or less: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your

state. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. For 30 gallon containers, empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Greater than 5 gallons: Nonrefillable container. Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

14. Transport information:

UN number:	Not applicable
NMFC number:	101685
Class:	065
Proper shipping name:	Plant growth inhibitor, modifier or regulator
Packaging group:	Not applicable
Marine Pollutant:	Not applicable
Other applicable information:	Not applicable

15. Regulatory information:

Chemical Name	SARA 311/312	SARA 302	CERCLA Reportable Quantity (RQ)	California Proposition 65
ancymidol	Not listed	Not Listed	None	Not Listed

16. Other information:

For further information on the product and product use, refer to the product label.

This version supersedes previous version (102609). Prepared by Fine Americas, Inc. on the basis of the best available data. No representation is given that the information provided is complete in all respects.