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PRODUCT DATA SHEET

No Scald[®] DPA EC 283 31% Diphenylamine Growth Regulator

DESCRIPTION

This product is an emulsifiable concentrate containing diphenylamine, a growth regulator for the reduction of scald on apples in storage.

COMPOSITION

The formulated product contains 31% diphenylamine as an active ingredient and 69% EPA approved inert materials as wetting and emulsifying agents. U.S. Patent No. 3, 526, 518; 3, 526, 519; 3, 526, 520.

PHYSICAL PROPERTIES

Appearance:	Light yellow colored liquid
Viscosity:	175 cps
Specific gravity:	1.028 g/cc
Pounds/gallon:	8.56
Flash point:	Above 305°F

PRECAUTIONS

The product is harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. The product is toxic to fish. Do not contaminate food, feed or water.

STORAGE

Store in a cool place above freezing. Do not use the product after the marked expiration date on the drumhead.

SHIPPING CLASSIFICATION

Inhibitor - plant growth regulator, agricultural liquid.

DIRECTIONS FOR USE

Mixing Instructions: Add required amount of concentrate slowly and with good stirring to water, agitating continuously for at least five minutes. Once opened, use the entire contents of this container within 120 days.

Dosage: For 1000 ppm (parts per million) DPA, use one gallon of concentrate in water to make 320 gallons of spray emulsion. For 2000 ppm DPA, use one gallon of concentrate in water to make 160 gallons of emulsion.

Rate of Application: Use 1000 to 2000 ppm depending on variety and growing conditions. Consult local Extension or Experiment Station experts for recommended rates.

POST HARVEST APPLICATIONS

- A) Dipping: Immerse all fruit completely in the No Scald7 DPA 283 emulsion. Remove and allow apples to drain thoroughly, then place in cold storage.
- B) Drenching: Use in re-circulating drenchers. Remove immediately after drench and allow the apples to drain thoroughly; then place in cold storage.
- C) Spraying: Spray or flood apples on appropriate equipment. Allow sufficient space for adequate drainage. Flooding or spraying fruit in crates or bulk bins may not allow for sufficient drainage and may result in some fruit burning where bottom fruit remains in accumulated pools of liquid. Consult local Experimentation Pomologist for methods of avoiding such injury.

PRECAUTIONS - PROPER USE

Safety to Fruit: DPA has been safely used on many apple varieties. Rates higher than 1000 ppm have, at times caused injury to Baldwin, Grimes Golden, and Rome Beauty. First use of this product should be on a trial basis until experience has been gained with it. However, improper use may cause injury to occur on Golden Delicious apples.

Burning may occur when fruit is allowed to remain in pools of DPA solution at the bottoms of poorly drained crates or bins. Tilt bins if necessary. Do not use bins with liners.

Keep all tanks and equipment clean at all times. Flush out tank thoroughly after each use and before refilling. Prepare fresh solution daily or more often if solution becomes dirty; replace with fresh solution. Do not combine this product with calcium chloride or other materials without first consulting a qualified expert.

Do not use treated apples in the manufacture of livestock feed. Do not apply to fruit, which received preharvest treatment of DPA. Do not wrap treated apples with impregnated DPA wrappers.

NOTE: In some years, scald development can be serious. In such years DPA may have reduced effectiveness. After three months of storage, samples of fruit should be periodically examined for scald development. Shipping container for apples should be marked: "Treated with diphenylamine."

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