

Dipotassium Phosphate (176407) Fact Sheet

Summary

This active ingredient is commonly sprayed on leaves as a fertilizer, and seems also to help control certain fungal diseases on ornamentals. When used in association with another fertilizer, dipotassium phosphate is approved for use in the manufacturing of pesticide products intended to control certain fungal diseases on ornamentals. When label directions are followed, this active ingredient is not expected to harm people or the environment.

I. Description of the Active Ingredient

Dipotassium phosphate, in combination with another EPA-approved compound (dipotassium phosphonate), is intended to control fungal plant diseases on turf, ornamentals, and non-bearing fruit and nut tree crops (that is, on trees that have not yet developed the edible crop). The active ingredient appears to have a mixed mode of action involving direct toxicity to the pathogen, aided by a boosting of the plant's defense mechanisms due the fertilizing properties of the compound.(CAS # 7758-11-4)

II. Use Sites, Target Pests, And Application Methods

- **Use Sites:** The single end use product, Lexx-A-Phos® Fungicide, is intended for application on woody ornamentals, turfgrass, non-bearing fruit and nut trees, and grapes.
- **Target pests:** Broad spectrum of fungal diseases (powdery mildew, leaf spot, root rot, downy mildew, etc.).
- **Application Methods:** When incorporated into the end-use product Lexx-A-Phos® Fungicide, the product is applied as a leaf spray or soil drench at a rate of 1 - 2% v/v.

III. Assessing Risks to Human Health

Based on the known properties of this commonly used fertilizer and the results of toxicity tests conducted on the end-use product, no risks to human health are expected from exposure to this fungicide.

IV. Assessing Risks to the Environment

A potential for exposure exists to non-target organisms (e.g., mammals, birds, aquatic organisms, beneficial insects) with terrestrial spray applications. However, the extensive use of this active ingredient as a leaf fertilizer has not resulted in any reports of adverse ecological effects. Moreover, the low toxicity and mitigating label language help minimize any risk to wildlife.

V. Regulatory Information

Year active ingredient was initially registered: September 2002

Number of end use products (September 2002): 1 (Lexx-A-Phos® Fungicide)

Note: Dipotassium phosphate is NOT approved for pesticidal use on food or feed crops. Therefore, plants and crops intended for food/feed use are not allowed to be treated for pests with products containing dipotassium phosphate as the active ingredient.

VI. Registrant Information

Foliar Nutrients, Inc.
320 First Avenue, NW
Cairo, GA 31728

VII. Additional Contact Information

[Ombudsman, Biopesticides and Pollution Prevention Division](#) (7511P)
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