



CALCIUM
ACTIVATOR

Messenger

MSDS

Material Safety Data Sheet



DUX^{AGRI}

Mighty Messenger

Material Safety Data Sheet

SECTION 5. FIRE FIGHTING MEASURES

Flash Point (Method):..... N/A. Flammable Limits (Vol. % in air):..... N/A.
Auto-ignition Temperature:... N/A. Extinguishing Media:..... Water.
Unusual Fire and Explosion Hazards:.... None known.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Sweep up and dispose of in compliance with all federal, state and local laws.
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SECTION 7. HANDLING AND STORAGE

Store in original sealed container in an area not accessible to children or unauthorized persons. Keep products away from sunlight, moisture and heat. After opening, use promptly.
Do not contaminate food, water or feed by handling and storage.

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Protective Clothing: Waterproof gloves, long sleeve shirt, pants or overalls, shoes and socks.
Respiratory Protection: Particulate dust mask.
Eye Protection: Chemical goggles or safety glasses with side shields recommended.
Ventilation: Use product outdoors or in a well-ventilated area.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

pH
Boiling Point
% Volatile
Melting Point Evaporation Rate Freezing Point
Solubility in Water
Bulk Density Appearance and Odour Vapor Pressure @ 25C:
6.0-8.5 @ 22C. N/A
Unknown Unknown
N/A
N/A
Soluble
ca. 0.47 g/mL.
Tan/blue-colored granules, no discernable odour N/A

SECTION 10. STABILITY AND REACTIVITY

Stability:..... Stable. Conditions to Avoid:..... None known.
Incompatibility:..... None known.
Hazardous Decomposition Products:.... None known.

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SECTION 11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

Rat:..... Oral LD50 > 5050 mg/kg.

Rat:..... Dermal LD50 > 5050 mg/kg.

Rat:..... Inhalation 4 hr. LC50 > 0.83 mg/L (max. achievable air concentration).

Rabbit:..... Dermal Irritation: Non-irritant.

Rabbit:..... Eye Irritation: Non-irritant.

No known incidents of hypersensitivity.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:

Cladoceran (Daphnia):..... EC50 =1473 mg/L; NOEC = 626 mg/L.

Honeybee:..... No observed toxicity at 13 g a.i. per bee.

A closely related harpin protein (harpinEA) is classified as practically non-toxic to birds and fish.

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SECTION 13. DISPOSAL CONSIDERATIONS

Reseal in original container and dispose of in accordance with all federal, state and local laws

SECTION 14. TRANSPORT INFORMATION

DOT Proper Shipping Name: Not subject to DOT Hazardous Material regulations as found in 49 CFR Part 171-180.

DOT Hazard Classification:..... N/A.

DOT Labeling Requirements:.... N/A.

SECTION 15. REGULATORY INFORMATION

Hazardous Substance:..... N/A. Reportable Quantity: N/A.

SECTION 16. OTHER INFORMATION

Plant Health Care, Inc. believes that the information and recommendations contained here in are accurate as of the date hereof. The information provided herein applies only to the specific product designated and may not be valid where said product is used in combination with any other material or in any process. It is the user's responsibility to determine the suitability of the information for their purposes.

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Prepared by: Plant Health Care, Inc.

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