

Substrate Diluent (for Phytodetek® kits)

Revision Date: 23-Dec-2020

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PRODUCT AND COMPANY IDENTIFICATION

Product Name: Substrate Diluent (for Phytodetek® kits)

Catalog #: PDN 00021, included in all PDK Phytodetek® kits

Product Use: Diluent

Manufacturer: Agdia, Inc.
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Elkhart, IN 46514
(574) 264-2014

Contact: Safety Program Facilitator
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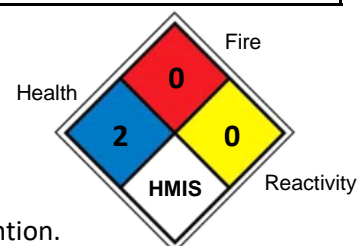
Emergency: Contact physician or poison control hotline.

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HAZARDS IDENTIFICATION

GHS Classification: **DANGER**

GHS Pictograms:



Precautions: If exposed or concerned, seek medical advice or attention.

GHS Hazards: Harmful if swallowed. Causes respiratory tract irritation. Causes skin irritation. May cause serious eye damage. Suspected of causing cancer. May cause organ damage with prolonged or repeated exposure.

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COMPOSITION / INFORMATION ON INGREDIENTS

Composition / Formula: Diethanolamine (CAS# 111-42-2), 8.0%; Diethanolamine hydrochloride (CAS# 14426-21-2), 2.4%; Magnesium chloride hexahydrate (CAS# 7791-18-6), 0.01%; and Sodium Azide (CAS# 26628-22-8), 0.02% in water.

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FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing is difficult, provide oxygen. Seek medical attention if needed.

Skin Contact: If skin irritation occurs, wash with soap and water.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation.

Ingestion: Rinse mouth with water. Consult a physician if needed.

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FIRE FIGHTING MEASURES

Fire Fighting: Not expected to ignite. If involved in a fire, use appropriate extinguishing agent for surrounding fire.

Specific Fire Hazards: None known.

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ACCIDENTAL RELEASE MEASURES

Accidental Release: Wear suitable laboratory protective clothing. Pick up excess with inert absorbant material and place into separate waste container. Flush area with warm soapy water.

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7 HANDLING AND STORAGE

Handling Precautions: Use standard laboratory safety practices. Protective gear shown in Section 8.

Storage Requirements: Store under refrigeration (+2 to +8 °C).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use mechanical (general) ventilation for storage areas.

Protective Equipment: Handle in accordance with good industrial hygiene and safety practices. Eye protection and gloves recommended. If substance is a powder, nuisance exposures may be avoided with use of type P95 (US) or type P1 (EU EN 143) particle respirator.

Exposure Guidelines: PEL - None Established. TLV - None Established.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear yellow liquid

Odor: None

Flash Point: Not available.

Physical State: Liquid

pH: ~ 9.8

Autolgnition: Not available.

Solubility: Completely soluble in water

Other Information: No additional physical or chemical information available.

10 STABILITY AND REACTIVITY

Reactivity Hazards: None known.

Conditions To Avoid: None known.

Stability: Stable under normal conditions.

Materials To Avoid: Strong oxidizing agents.

Hazardous By-products: No hazardous reactions nor hazardous decomposition products known.

11 TOXICOLOGICAL INFORMATION

Toxicology Information: The complete chemical, physical, and toxicological properties of this material have not been thoroughly investigated to the best of Agdia's knowledge.

12 ECOLOGICAL INFORMATION

Ecological Information: No data available.

13 DISPOSAL CONSIDERATIONS

Disposal: Dispose of in accordance with local regulations.

14 TRANSPORT INFORMATION

Transport Information: Not dangerous goods per DOT, IATA, and IMDG.

15 REGULATORY INFORMATION

Regulatory Information: CERCLA: Not Applicable. SARA Title III: Not Listed

16 OTHER INFORMATION

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