

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Fertzona Spreader Buffer 04/04 p. 1

MANUFACTURER: Custom Agricultural Formulators
PO Box 26104
Fresno, CA 93729
EMERGENCY PHONE NO: (559) 435.1052

I. HAZARDOUS INGREDIENTS

Phosphoric Acid CAS: 7664-38-2

II. PHYSICAL AND CHEMICAL CHARACTERISTICS

INCOMPATIBILITY: Avoid contact with materials such as sulfides and sulfites which could release toxic gases and use caution in mixing with strong bases because of high heat of reaction can generate steam.

SOLUBILITY IN WATER: Soluble
APPEARANCE: Clear, colorless liquid
MELTING POINT: N/A
SPECIFIC GRAVITY: 1.575
VAPOR PRESSURE: @ 20° C (mm Hg.): .0285 (100% acid)
BOILING POINT: (760 mm Hg.): 135° C
LBS./GAL.: @ C:13.17_C:13.17

III. FIRE AND EXPLOSION DATA

FLASH POINT: Non-Flammable
AUTO IGNITION: N/A
EXTINGUISHING MEDIA: Media as needed to control primary source of fire.
SPECIAL FIREFIGHTING PROCEDURES: Wear respirator. Control runoff water.

IV. PHYSIOLOGICAL & HEALTH EFFECTS

POTENTIAL CARCINOGEN DATA: Not listed
CAUTION: Do not get in eyes, on skin or on clothing. Avoid breathing mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling.

ACUTE ORAL LD₅₀ (RAT): 4400 mg/kg
ACUTE DERMAL LD₅₀ (RABBIT): 3160 mg/kg SLIGHTLY TOXIC
EYE IRRITATION FHSA 24-HR (RABBIT): CORROSIVE
SKIN IRRITATION FHSA 24-HR (RABBIT): CORROSIVE
SKIN CORROSION 4-HR DOT (RABBIT): NON-CORROSIVE

The results of the acute oral and dermal tests indicate that these concentrations of phosphoric acid are slightly toxic by ingestion in single oral doses and by single dermal applications. Following a 24-hour exposure, irreversible eye and skin damage occurred at all tested concentrations of phosphoric acid.

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V. EMERGENCY AND FIRST AID PROCEDURES

Ingestion – Slightly toxic.

Skin – Dermal contact is expected to be the primary route of occupational exposure to phosphoric acid. This product is corrosive to the eyes and skin. Phosphoric acid may not produce an immediate burning sensation upon skin contact, delaying the awareness of the worker that contact has occurred.

Inhalation – Phosphoric acid has a low vapor pressure at room temperature and is not expected to present a significant inhalation hazard under ambient conditions. Phosphoric acid can, however, be irritating to the respiratory tract if inhaled as a mist or if the material is vaporized.

Eyes – Immediately flush eyes with large quantities of water for 15 minutes, occasionally lifting the lower and upper lids. Seek medical attention if irritation persists.

VI. SPECIAL PROTECTIVE INFORMATION

EYE PROTECTION: to minimize eye contact, wear chemical goggles while handling this material. Have eye baths immediately available.

SKIN PROTECTION: To minimize skin contact, wear full-length clothing or protective clothing, gloves and boots which are appropriate for the accompanying chemical product being mixed.

RESPIRATORY PROTECTION: Avoid breathing spray mist.

VII. ENVIRONMENTAL PROTECTION

ENVIRONMENTAL IMPACT: This product, when used as directed by the label, is not expected to have any significant impact on the environment.

PRECAUTIONS IF MATERIAL IS RELEASED OR SPILLED: Contain spill. Absorb in inert material. Place in disposable container. Flush area until clean with water to dilute to a harmless solution. Neutralize cautiously with a base such as soda ash.

WASTE DISPOSAL METHODS: Dispose of waste materials and containers according to local, state and federal regulations.

VIII. SPECIAL PRECAUTIONS

Read and observe all precautions on the product label. Keep product in original container.

DATE PREPARED:

04/02/04

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