

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: NEW CENTURY BUFFER

P. 1 of 2

MANUFACTURER: CUSTOM AGRICULTURAL FORMULATORS
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I. HAZARDOUS INGREDIENTS

Phosphoric Acid CAS NO. 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: 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 mmHG): 135 C

LBS/GAL @C:13.17_C:13.17

III. FIRE AND EXPLOSION DATA

FLASH POINT: Non-Flammable

AUTOIGNITION: 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.

V. EMERGENCY & FIRST AID PROCEDURES

EYES: Wash eyes for at least 15 minutes. Seek medical attention if irritation persists.
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.
INGESTION: Slightly toxic.

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 contain. Flush area till 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: 02/25/99

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