

Section 1. Chemical Product and Company Identification

PRODUCT IDENTITY: STANDARD BUFFER SOLUTION 7.00 pH

CATALOG NUMBER(S): 02.0030, 02.0031

Manufacturer's Name: Mesa Laboratories, Inc.

Address: 12100 W. 6th Ave.
Lakewood, CO 80228

Telephone Number for Information: 303-987-8000

Date Prepared: 09MAY2018

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Non-flammable, non-toxic, non-corrosive. Does not present any significant health hazards.

POTENTIAL HEALTH EFFECTS: **TARGET ORGANS:** eyes, skin

May cause slight irritation to skin and eyes; ingestion of large quantity may cause stomach upset.

Section 3. Composition / Information on Ingredients

| Component | CAS Registry # | Carcinogen | Percent (%) Concentration | Exposure Limits | |
|-------------------------------|----------------|------------|------------------------------|-----------------|----------|
| | | | | ACGIH TLV | OSHA PEL |
| Sodium Phosphate Dibasic | 7558-79-4 | No | < 1 | N/A | N/A |
| Potassium Phosphate Monobasic | 7778-77-0 | No | < 1 | N/A | N/A |
| Preservative* | proprietary | No | < 0.3 | N/A | N/A |
| Inert Dye | proprietary | No | < 0.1 | N/A | N/A |
| Water, Deionized | 7732-18-5 | No | Balance | N/A | N/A |

*does not contain any Mercury compounds or Formaldehyde.

Section 4. First Aid Measures - In all cases, seek qualified evaluation.

EYE and SKIN CONTACT: Wash areas of contact with water for at least 15 minutes.

INHALATION: Remove to fresh air. Give artificial respiration if necessary.

INGESTION: Dilute with water or milk. Call a physician if necessary.

Section 5. Fire Fighting Measures

EXTINGUISHING MEDIA: Use any means suitable for extinguishing the surrounding fire.

FIRE & EXPLOSION HAZARDS: Not considered to be a fire or explosion hazard.

FIRE FIGHTING INSTRUCTIONS: Use normal procedures / instructions. Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6. Accidental Release Measures

Absorb with suitable material (paper towels, etc.) and dispose of in accordance with local regulations. Regulations may address the disposal of phosphate containing solutions.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes. Protect from freezing and physical damage.

Section 8. Exposure Controls / Personal Protection

ENGINEERING CONTROLS: No specific controls are needed. Normal room ventilation is adequate.

RESPIRATORY PROTECTION: Normal room ventilation is adequate.

SKIN PROTECTION: Gloves

EYE PROTECTION: Safety glasses or goggles

Section 9. Physical and Chemical Properties

APPEARANCE: Clear, green colored liquid
SOLUBILITY IN WATER: Infinite
ODOR: odorless
SPECIFIC GRAVITY: approximately 1.0

pH: 7.0
BOILING POINT: approximately 100°C
MELTING POINT: approximately 0°C
VAPOR PRESSURE: N/A

Section 10. Stability and Reactivity

CHEMICAL STABILITY: Stable under normal conditions of use and storage.
INCOMPATIBILITY: None identified
HAZARDOUS DECOMPOSITION PRODUCTS: None identified
HAZARDOUS POLYMERIZATION: Will not occur

Section 11. Toxicological Information

LD₅₀ Oral, Rat: 17000 mg/kg (Sodium Phosphate Dibasic); No toxic effects noted per "Registry of Toxic Effects of Chemical Substances".

Section 12. Ecological Information

ECOTOXICOLOGICAL INFORMATION: No information found.
CHEMICAL FATE INFORMATION: No information found.

Section 13. Disposal Considerations

Dilute with water and flush to sewer if local regulations allow for the flushing of phosphate containing solutions. If not allowed, save for recovery or recycling in an approved waste disposal facility. Dispose of in accordance with local, state, and federal regulations.

Section 14. Transport Information:

The goods are not regulated by DOT.
The goods are not regulated by IATA.
The goods are not dangerous, not hazardous or not restricted for transport by air.

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA STATUS: The above items either do not contain any specifically hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health and safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA STATUS: All components of this solution are listed on the TSCA Inventory.

CERCLA REPORTABLE QUANTITY: Not reportable

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: No

SECTION 311/312 HAZARDOUS CATEGORIES: No

SECTION 313 TOXIC CHEMICALS: No

RCRA STATUS: No

Section 16. Other Information

| | | | | |
|----------------------|------------------|------------------------|----------------------|---|
| NFPA Ratings: | Health: 1 | Flammability: 0 | Reactivity: 0 | Special Notice Key: None |
| HMS® Ratings: | Health: 1 | Flammability: 0 | Reactivity: 0 | Protective Equipment: A (Protective eyewear) |

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and Mesa Laboratories, Inc assumes no legal responsibility or liability whatsoever resulting from its use.

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