



SDS

Safety Data Sheet

Section 1. Chemical Product and Company Identification

PRODUCT IDENTITY: COMBINED STANDARD SOLUTION

CATALOG NUMBER(S): 02.0062, 02.0070

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 (%)	Exposure Limits	
			Concentration	ACGIH TLV	OSHA PEL
Sodium Chloride	7647-14-5	No	< 7	N/A	N/A
Sodium Phosphate Dibasic	7558-79-4	No	< 1	N/A	N/A
Potassium Phosphate Monobasic	7778-77-0	No	< 1	N/A	N/A
Water, Deionized	7732-18-5	No	Balance	N/A	N/A

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. Small amounts may be flushed to sewer with plenty of water.

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, colorless liquid
SOLUBILITY IN WATER: Infinite
ODOR: odorless
SPECIFIC GRAVITY: approximately 1 - 1.04

pH: 7.0
BOILING POINT: approximately 100.1°C
MELTING POINT: approximately -0.6 - 0°C
VAPOR PRESSURE: N/A

Section 10. Stability and Reactivity

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

Section 11. Toxicological Information

LD₅₀ Oral, Rat: 3000 mg/kg (Sodium Chloride); No toxic effects noted per "Registry of Toxic Effects of Chemical Substances".
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. (Very weak salt 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: Not regulated per DOT

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.