

Material Safety Data Sheet

ESA, Inc.
22 Alpha Road
Chelmsford, MA 01824-4171

Phone: 978-250-7000
Fax: 978-250-7090
Prepared: 12/13/02
Updated:

MSDS Date: 12/13/02
Product Name: Plasma Metanephrine Wash Solution B Concentrate
Product Number: 70-5620
Manufacturer: ESA, Inc.

I. Product and Company Description

ESA, Inc.
22 Alpha Road
Chelmsford, MA 01824-4171

For Product Information:
978-250-7000

Emergency Phone Number:
800-535-5053 (INFOTRAC)
Outside of the United States call collect 1-352-323-3500

Chemical Name or Synonym:
N/A

II. Chemical Composition

Component	CAS#	%Composition
Ammonium Phosphate	7722-76-1	<1
Disodium EDTA	6381-92-6	<1
Ammonium Hydroxide	1336-21-6	<1
Reagent MB	10377-60-3 26172-55-4 2682-20-4 7786-30-3	<1
Water	7732-18-5	99

III. Hazards Identification

Potential Health Effects:

Acute Eye:

May cause irritation and possible eye damage.

Acute Skin:

May cause irritation with prolonged or repeated skin contact.

Acute Inhalation:

May cause respiratory tract irritation.

Acute Ingestion:

May cause gastrointestinal irritation and severe injury if swallowed.

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VI. Accidental Release Measures

Cleanup and Disposal of Spill:

Evacuate the area of all unnecessary personnel. Contain the release and eliminate its source, if this can be done without risk. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

VII. Handling and Storage

Handling/Storage:

Store away from incompatibles. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed and in a cool, dry place.

VIII. Exposure Controls/Personal Protection

Exposure Guidelines:

Component	CAS#	ACGIH	OSHA-PELs
Ammonium Phosphate	7722-76-1	ND	ND
Disodium EDTA	6381-92-6	ND	ND
Ammonium Hydroxide	1336-21-6	ND	ND
Reagent MB	10377-60-3 26172-55-4 2682-20-4 7786-30-3	ND	ND
Water	7732-18-5	N/A	N/A

Engineering Controls:

Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the MSDS.

Respiratory Protection:

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149 if workplace exposure limit(s) is exceeded. Always use a NIOSH/MSA approved respirator when necessary.

Eye/Face Protection:

Wear safety glasses (ANSI standard Z87.1) when handling this product.

Skin Protection:

Wear chemical resistant gloves (such as latex or neoprene) and protective clothing to minimize skin contact.

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IX. Physical and Chemical Properties

Physical Appearance:	Liquid
Odor:	None
pH:	8.5
Density:	1.0 g/ml
Specific Gravity:	ND
Water Solubility:	Soluble
Melting Point:	ND
Freezing Point:	ND
Boiling Point:	100°C
Vapor Pressure:	ND
Vapor Density:	ND
Percent Volatiles by Volume:	0%
Viscosity:	ND

X. Stability and Reactivity

Chemical Stability:
Stable

Conditions to Avoid:
Heat and high temperatures.

Materials/Chemicals to be Avoided:
Strong oxidizing agents, acrolein, acrylic acid, chlorosulfonic acid, dimethyl sulfate, fluorine, gold + aqua regia, hydrochloric acid, hydrofluoric acid, iodine, nitric acid, oleum, propiolactone, propylene oxide, silver nitrate, silver oxide, ethyl alcohol, nitromethane, silver permanganate, sulfuric acid, halogens.

Hazardous Decomposition Products:
Carbon Monoxide, Carbon Dioxide, nitric oxide, and ammonia.

Hazardous Polymerization:
Will not occur.

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XI. Toxicological Information

For EDTA

Acute Oral Toxicity:

LD 50 Rat: 2 g/kg

LD 50 Mouse: 2050 mg/kg

LD 50 Rabbit: 2300 mg/kg

For Ammonium Hydroxide

Acute Oral Toxicity:

LD 50 Rat: 350 mg/kg

XII. Ecological Information

For EDTA

Environmental Toxicity:

EC50 (flea daphnia) = 0.66 mg/l, 48 hr

LC50 (rainbow trout) = 0.008 mg/l, 24 hr

LC50 (fathead minnow) = 8.2 mg/l, 96-hr

LC50 (bluegill/sunfish) = 0.024-0.093 mg/l, 48-hr

LC50 (goldfish) = 2.0-2.5 mg/l, 24-96-hr

XIII. Disposal Considerations

Waste Disposal Method:

Dispose of in accordance with federal, state and local regulations.

XIV. Transportation Information

US Department of Transportation Shipping Name:

US Department of Transportation	Proper Shipping Name	Not regulated
	Hazard Class	Not regulated
	ID Number	Not regulated
	Packaging Group	Not regulated

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XV. Regulatory Information

Federal Regulations:

SARA Title III Hazard Classes:

Fire Hazard:	No
Reactive Hazard:	No
Release of Pressure:	No
Acute Health Hazard:	Yes
Chronic Health Hazard:	Yes

TSCA:

Ammonium Phosphate, Ammonium Hydroxide, water, and all components of Reagent MB are on the TSCA inventory.

Other Regulations:

State:

Ammonium Hydroxide can be found to the following state right to know lists: CA, NJ, PA, and MA.

XVI. Other Information

National Fire Protection Hazard Ratings - NFPA:

Health Hazard:	1
Flammability:	0
Reactivity:	0

Key Legend Information:

N/A - Not Applicable

ND - Not Determined

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

TLV - Threshold Limit Value

PEL - Permissible Exposure Limit

TWA - Time Weighted Average

STEL - Short Term Exposure Limit

NTP - National Toxicology Program

IARC - International Agency for Research on Cancer

The information contained herein is based on the data available to us and is believed to be correct. However ESA, Inc. makes no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.