



SECTION 1 - Chemical Product and Company Identification

1.1 Product Identifiers

Product Name	: MES Sodium Salt
CAS #	: 71119-23-8
EC #	: 275-203-2
RTECS #	: Not Available
REACH Registration Number	: Not Available

1.2 Recommended Use of the Chemical and Restrictions of Use

Laboratory Chemical

1.3 Supplier Details

Supplier	BioSpectra, Inc. 100 Majestic Way Bangor, PA 18013 T: 610.599.3400 ra@biospectra.us
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1.4 Emergency Numbers

Emergency Numbers:	US & Canada: 1-800-424-9300 Outside the US & Canada: +1 703-527-3887
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SECTION 2 – Hazard Identification

2.1 Classification of Substance or Mixture

This substance does not meet the criteria for classification in accordance with GHS or Regulation No 1272/2008/EC.

2.2 GHS Label Elements Including Precautionary Statements

Not Required

2.3 Hazards not Classified or not Covered by the GHS

No information available

SECTION 3 – Composition, Information on Ingredients

Component	Classification	Concentration
MES Sodium	Non Hazardous	98-100%

Synonyms	: 4-Morpholinoethanesulfonic Acid Sodium Salt, 2-(N-Morpholino) Ethanesulfonic Acid Sodium Salt
EC Number	: 275-203-2
CAS Number	: 71119-23-8
Molecular Formula	: C ₆ H ₁₂ NO ₄ S·Na
Molecular Weight	: 217.22 g/mol

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SECTION 4 – First Aid Measures

4.1 Description of Necessary First Aid Measures

Eyes	: Flush eyes with plenty of tepid water for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lens, if present and able to do so. Contact a physician.
Skin	: Flush with plenty of tepid water for at least 15 minutes. Do not apply neutralizing agents. Contact a physician if irritation persists.
Ingestion	: Rinse mouth with water. DO NOT induce vomiting, unless instructed to do so. Contact a physician.
Inhalation	: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and contact a physician.

4.2 Most Important Symptoms/Effects, Acute and Delayed

Refer to Section 2.2 for Precautionary Statements.

4.3 Indication of Immediate Medical Attention and Special Treatment

Treat symptomatically and supportively.

SECTION 5 - Firefighting Measures

5.1 Extinguishing Media

Water spray, dry powder, foam, or Carbon Dioxide

5.2 Specific Hazards Associated with this Chemical

Carbon Oxides, Sulfur Oxides, Nitrogen Oxides

5.3 Special Equipment/Precautions for Firefighters

As with any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

5.4 Other Information

None available

SECTION 6 - Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use Personal Protective Equipment. Ensure adequate ventilation. Avoid dust formation.

6.2 Environmental Precautions

Avoid release to the environment.

6.3 Methods and Materials for Containment and Cleaning Up

Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up spill and then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Use spark proof tools and explosion proof equipment.

6.4 Other Information

Refer to protective measures listed in Section 8 & 13.

SECTION 7 - Handling and Storage

7.1 Precautions for Safe Handling

Wear personal protective equipment. Use only in well-ventilated areas. Do not breathe dust. Avoid contact with skin, eyes, and clothing.

7.2 Conditions for Storage Including any Incompatibilities

Store in a cool, dry, well-ventilated area away from incompatible substances. Keep containers tightly closed.

7.3 Other Information

No additional information available.

SECTION 8 - Exposure Controls, Personal Protection

8.1 Control Parameters

This product does not contain any hazardous materials with occupational exposure limits established.

8.2 Engineering Controls

None under normal use.

8.3 Personal Protective Equipment

Eyes

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin

Wear appropriate protective gloves to prevent skin exposure. Wear impervious gloves.

Clothing

Wear appropriate protective clothing to prevent skin exposure.

Respirators

None required under normal conditions of use.

SECTION 9 - Physical and Chemical Properties

Physical State	:	Solid
Appearance	:	White Crystalline
Odor	:	Odorless
pH	:	9-10 (10% aq sol)
Vapor Density	:	Not available
Viscosity	:	Not available
Melting Point	:	Not available
Freezing Point	:	Not available
Specific Gravity/Density	:	Not available
Solubility	:	0.5 g/L at 20°C

SECTION 10 - Stability and Reactivity

10.1 Chemical Stability

Stable under normal temperatures and pressures.

10.2 Conditions to Avoid

Excess heat, dust formation, and incompatible materials.

10.3 Incompatibilities with Other Materials

Strong oxidizing agents.

10.4 Hazardous Decomposition Products

Carbon Oxides, Sulfur Oxides, Nitrogen Oxides

10.5 Hazardous Polymerization

Will not occur.

SECTION 11 - Toxicological Information

11.1 Toxicological Effects

LD50/LC50	:	LD50: Oral - Rat - >2 mg/kg.
Carcinogenicity	:	Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
Epidemiology	:	No Data Available.
Teratogenicity	:	No Data Available.
Reproductive Effects	:	No Data Available.
Neurotoxicity	:	No Data Available.
Mutagenicity	:	Ames test: Escherichia coli/Salmonella typhimurium Result: negative
Specific target organ toxicity – single exposure	:	No Data Available
Asphyxiation	:	No Data Available
Skin corrosion/irritation	:	Reconstructed human epidermis (RhE), Result: No skin irritation – 15 min
Serious Eye Damage/Eye Irritation	:	Chicken Eye Result: No eye irritation – 10s
Respiratory or skin sensitization	:	Local lymph node assay (LLNA) Mouse Result: negative

11.2 Additional Information

To the best of our knowledge the associated physical, chemical and toxicological properties of this chemical have not undergone thorough investigation, all known information is contained in this SDS.

SECTION 12 - Ecological Information

12.1 Ecotoxicity

No information available

12.2 Persistence and Degradability

No information available

12.3 Bioaccumulative Potential

No information available

12.4 Mobility in Soil

No information available

12.5 Results of PBT and vPvB Assessment

This substance is not considered to be persistent, Bioaccumulating Nor Toxic (PBT).

12.6 Other Adverse Effects

No information available

SECTION 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

SECTION 14 - Transport Information

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Regulations	US DOT	IATA	IMDG	ADR
Shipping Name	Not a Dangerous Good			
Hazard Class				
UN Number				
Packing Group				

SECTION 15 - Regulatory Information

15.1 EHS Chemical Specific Regulations

SARA:

Section 302	: Not Available
Section 313	: Not Available
SARA 311/312 Hazards	: Not Available
Reportable Quantity	: Not Available
TSCA	: Not Listed on the Inventory
EINECS/ELINCS/NLP	: Not Listed on the Inventory
Annex XVII Restrictions	: None known

STATE SPECIFIC:

Massachusetts Right To Know Components	: No components are subject to the Massachusetts Right to Know Act.
Pennsylvania Right To Know Components	: No components are subject to the Pennsylvania Right to Know Act.
New Jersey Right To Know Components	: No components are subject to the New Jersey Right to Know Act.
California Prop. 65 Components	: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 - Additional Information

16.1 Hazard Ratings

NFPA Rating	
Health hazard	0
Fire Hazard	0
Reactivity Hazard	0

HMIS Classification

Health hazard	0
Flammability	0
Physical Hazards	0

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