



# MES Sodium Salt

## Safety Data Sheet

According to Regulation (EC) 1272/2008

### 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

#### 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  
 ehs@biospectra.us

#### 1.4 Emergency Numbers

Emergency Numbers: US & Canada: 1-800-424-9300  
 Outside the US & Canada: +1 703-527-3887

### 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 CLP regulation.

#### 2.2 GHS Label Elements Including Precautionary Statements

Does not meet criteria for classification.

#### 2.3 Hazards not Classified or not Covered by the GHS

Does not meet criteria for classification.

### 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<sub>6</sub>H<sub>12</sub>NO<sub>4</sub>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

Not classified

### 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, Sodium 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.

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**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	:	260°C
Freezing Point	:	Not available
Specific Gravity/Density	:	Not available
Solubility	:	335.3 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.

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**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 – >2000 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**

Regulations	US DOT	IATA	IMDG	ADR
Shipping Name	Not a DangerousGood	Not a DangerousGood	Not a DangerousGood	Not a DangerousGood
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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