

# **MES Hydrate**

Safety Data Sheet According to Regulation (EC) 1272/2008

SECTION 1 - Chemical Product a	and Company Identification
1.1 Product Identifiers	
Product Name CAS# EC# RTECS# REACH#	<ul> <li>MES, Hydrate</li> <li>1266615-59-1</li> <li>224-632-3</li> <li>Not Applicable</li> <li>01-2120768754-40-0008</li> </ul>
1.2 Recommended Use of the Chem	ical and Restrictions of Use
Chemical manufacturing	
1.3 Company Identification	
Supplier	BioSpectra, Inc. 100 Majestic Way Bangor, PA 18013 T: 610.599.3400 ra@biospectra.us
1.4 Emergency Numbers	그는 그 성격을 물건을 받는 것을 모양한 것 같아. 것 같아. 물건을 가지 않는 것 같아. 말을 하는 것
Emergency Numbers	<ul> <li>US &amp; Canada: 1-800-424-9300</li> <li>Outside the US &amp; Canada: +1 703-527-3887</li> </ul>
SECTION 2 – Hazard Identificati	on
2.1 Classification of Substance or M	lixture
Classified as a hazard per the Regulat Acute Toxicity (Oral) Cat 4 Skin Corrosion/Irritation Category 2 Serious Eye Damage/Eye Irritation Ca Specific Target Organ Toxicity (single	ategory 2A
2.2 GHS Label Elements Including	Precautionary Statements
Pictogram	
Signal Word	: Warning
Hazard Statement(s)	<ul> <li>H302 - Harmful if swallowed</li> <li>H315 - Causes skin irritation.</li> <li>H319 - Causes serious eye irritation.</li> <li>H335 - May cause respiratory irritation.</li> </ul>
Precautionary Statement(s) The information contained herein is the c	<ul> <li>P261 - Avoid breathing dust/fume/gas/vapors/spray.</li> <li>P264 - Wash face, hands and any exposed skin thoroughly after handling.</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several confidential property of BioSpectra. The recipient is responsible for its safe-keeping and the prevention of</li> </ul>
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minutes. Remove contact lenses if present and easy to do. Continue rinsing P308+P311 - If exposed or concerned: Get medical advice/attention.

- P403+P223 Store in a well-ventilated place. Keep container tightly
- P403+P223 Store in a well-ventilated place. Keep container t closed.
- P501 Dispose of contents/container to an approved waste disposal plant.

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

None

## SECTION 3 – Composition, Information on Ingredients

Molecular Formula Molecular Weight CAS Number EC Number Percent 4-Morpholineethanesulfonic Acid Hydrate;
2-(N-Morpholino) ethanesulfonic Acid
C<sub>6</sub>H<sub>13</sub>NO<sub>4</sub>S · xH<sub>2</sub>O
195.24 g/mol (anhydrous basis)
1266615-59-1
224-632-3
98-100%

# **SECTION 4 - First Aid Measures**

4.1 Description of Necessary First Aid Mean	sures
Eyes	: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid if irritation develops.
Skin	: Wash with soap and flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion	Never give anything by mouth to an unconscious person. If victim is conscious rinse out mouth with water. Get medical attention.
Inhalation	: Remove to fresh air. If not breathing give artificial respiration.

#### 4.2 Most Important Symptoms/Effects, Acute and Delayed

Refer to Section 2.2 for Precautionary Statements if any are applicable

4.3 Indication of Immediate Medical Attention and Special Treatment

No information available.

# **SECTION 5 - Firefighting Measures**

5.1 Extinguishing Media

In case of fire, use water, dry chemical, chemical foam, or Carbon Dioxide.

5.2 Specific Hazards Associated with this Chemical

Carbon Oxides, Nitrogen Oxides (NOx), Sulphur Oxides

## **5.3 Special Equipment/Precautions for Firefighters**

As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Explosion will appear as fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

#### 5.4 Other Information

None available.

# **SECTION 6 - Accidental Release Measures**

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

Use proper Personal Protective Equipment as indicated in Section 8. Avoid dust formation. Avoid breathing vapors, mist or gas.

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### 6.2 Environmental Precautions

Do not allow to enter drains

6.3 Methods and Materials for Containment and Cleaning Up

Remove all sources of ignition. Do not let enter drains. Ventilate area of leak or spill. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container.

## 6.4 Other Information

None available.

**SECTION 7 - Handling and Storage** 

7.1 Precautions for Safe Handling

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for Storage Including any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Other Information

None available.

**SECTION 8 - Exposure Controls, Personal Protection** 

**8.1 Control Parameters** 

Chemical does not contain any substances with occupational exposure limits.

8.2 Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

#### 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.

## Clothing

Wear appropriate protective clothing to prevent skin exposure.

#### Respirator

Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. A respiratory protection program that meets OSHA's 29 CFR '1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

# SECTION 9 - Physical and Chemical Properties

9.1 Chemical Property Information

Physical State	3	Solid
Appearance		White Crystalline Powder
Odor	:	Odorless

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рН	: 2.5-4.0 (0.5M sol.)
Vapor Pressure	Negligible
Vapor Density	Not applicable
Viscosity	Not available
Melting Point	: >300C (>527F)
Boiling Point	Not applicable
Decomposition Temperature	: N/A
Specific Gravity/Density	: Not available
Solubility	Not available
Molecular Weight	195.24 g/mol (anhydrous basis)
Molecular Formula	$C_6H_{13}NO_4S \cdot xH_2O$

# **SECTION 10 - Stability and Reactivity**

**10.1 Chemical Stability** 

Stable under normal temperatures and pressures.

**10.2 Conditions to Avoid** 

Incompatible materials, dust generation, excess heat and ignition sources.

**10.3 Incompatibilities with Other Materials** 

Strong oxidizers.

**10.4 Hazardous Decomposition Products** 

Oxides of carbon, sulfur and nitrogen may form when heated to decomposition.

## 10.5 Hazardous Polymerization

Will not occur.

SECTION 11 - Toxicological Information	
11.1 Toxicological Effects	
CAS# LD50/LC50 Carcinogenicity Epidemiology Teratogenicity Reproductive Effects Neurotoxicity	<ul> <li>1266615-59-1 unlisted.</li> <li>Not available.</li> <li>CAS# 1266615-59-1 Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> <li>Not available</li> </ul>
Mutagenicity Other Studies 11.2 Additional Information RTECS#:	<ul> <li>Not available</li> <li>Not available</li> <li>N/A</li> </ul>

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	
Not available.	
12.2 Persistence and Degradability	
No information available.	
12.3 Bioaccumulative Potential	
No information available.	
12.4 Mobility in Soil	

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No information available.

12.5 Results of PBT and vPvB Assessment

PBT/vPvB Assessment not available as Chemical Safety Assessment not required/not conducted.

12.6 Other Adverse Effects

No information available.

**SECTION 13 - Disposal Considerations** 

## 13.1 Disposal Methods

Dispose of in a manner consistent with Federal, State, and Local Regulations.

# **SECTION 14 - Transport Information**

Regulation	US DOT	ΙΑΤΑ	IMDG	ADR
Shipping Name:				
Hazard Class:				
UN Number:	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods
Packing Group:				

<b>SECTION 15 - Regulatory Information</b>	and strike 2.1 Black of the second			
15.1 EHS Chemical Specific Regulations		and the second second		
SARA:				
SARA Section 302	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.			
SARA 313	: This material does not contain any chemical co	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established		
SARA 311/312	Acute Health Hazard.			
STATE SPECIFIC:				
Pennsylvania Right To Know Components	: 4-Morpholineethanesulfonic Acid Hydrate	CAS-No.1266615-59-1,		
New Jersey Right To Know Components	: 4-Morpholineethanesulfonic Acid Hydrate	CAS-No.1266615-59-1.		
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 Classification			
Health Hazard	2		
Flammability	0		
Reactivity Hazard	0		

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# **Signature Manifest**

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# **MES Hydrate SDS**

# **Change Request**

Name/Signature	Title	Date	Meaning/Reason
Virginia Pena (VIRGINIA.PENA)	Document Control Technician I	09 Sep 2022, 09:02:14 AM	Approved
Jerome Pinckney (JEROME.PINCKNEY)	EHS & Security Manager	09 Sep 2022, 12:49:19 PM	Approved

# **Departmental Approval**

Name/Signature	Title	Date	Meaning/Reason	
Jerome Pinckney (JEROME.PINCKNEY)	EHS & Security Manager	19 Sep 2022, 01:19:05 PM	Approved	

# **Author Approval**

Name/Signature	Title	Date	Meaning/Reason
Timothy Coffman (TIMOTHY.COFFMAN)	EHSS Senior Technician	19 Sep 2022, 12:32:59 PM	Approved

## **Quality Approval**

Name/Signature	Title	Date	Meaning/Reason
Carissa Albert (CARISSA.ALBERT)	Quality Assurance Manager	27 Sep 2022, 08:20:56 AM	Approved

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Name/Signature	Title	Date	Meaning/Reason
Virginia Pena (VIRGINIA.PENA)	Document Control Technician II	27 Sep 2022, 08:32:15 AM	Approved

# **Quick Approval**

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Virginia Pena (VIRGINIA.PENA)	Document Control Technician II	27 Sep 2022, 08:36:21 AM	Approved

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