

## Safety Data Sheet


### Section 1: Product & Company Identification

|                         |  |
|-------------------------|--|
| <b>Product Name:</b>    | Nafamostat Mesylate  |
| <b>Product #:</b>       | F-1160   |
| <b>Synonyms:</b>        | Coahibitor; FUT 175; Nafamastat  |
| <b>Supplier:</b>        | AG Scientific Holdings, LLC<br>9950 Scripps Lake Drive, Suite 104<br>San Diego, CA 92131<br>Tele# + 858-452-9925 |
| <b>Emergency Tele#:</b> | ChemTel, Tele# in USA 1-800-255-3924, International 1-813-248-0585   |

### Section 2: Composition / Information on Ingredients

| Component           | CAS #      | EC #      | % Composition |
|---------------------|------------|-----------|---------------|
| Nafamostat mesylate | 82956-11-4 | 692-168-2 |               |

### Section 3: Hazards Identification

|                |   |
|----------------|---|
| <b>Symbols</b> |  |
|----------------|---|

#### HMIS Rating

| Health Hazard | Chronic Health Hazard | Flammability | Physical Hazard |
|---------------|-----------------------|--------------|-----------------|
|               |                       |              |                 |

#### NFPA Rating

| Health Hazard | Fire Hazard | Reactivity Hazard |
|---------------|-------------|-------------------|
|               |             |                   |

### Section 4: First Aid Measures

|                          |                   |
|--------------------------|-------------------|
| <b>General Overview:</b> | No data available |
| <b>Inhalation:</b>       | No data available |
| <b>Skin:</b>             | No data available |
| <b>Eyes:</b>             | No data available |

|                   |  |
|-------------------|--|
| <b>Ingestion:</b> | No data available  |
|                   | See section 11 for more detailed information on health effects & symptoms. |

## SECTION 5: Fire Fighting Measures

|  |  |
|--|--|
| <b>Flammability of the product:</b>                | Combustible  |
| <b>Extinguishing Media:</b>                        | No data available  |
| <b>Hazardous thermal (de)composition products:</b> | Carbon oxides, Nitrogen oxides (NO <sub>x</sub> ), Sulfur oxides |
| <b>Special Fire Fighting Procedures:</b>           | No data available  |
| <b>Flash Point:</b>                                | No data available  |

## Section 6: Accidental Release Measures




|                                   |   |
|-----------------------------------|---|
| <b>Personal Precautions:</b>      | For personal precautions see Section 8. |
| <b>Environmental Precautions:</b> | No data available                       |
| <b>Methods for Clean-up:</b>      | For disposal see Section 13.            |

## SECTION 7: Handling & Storage

|                  |  |
|------------------|--|
| <b>Storage:</b>  | Recommended storage temperature: -20°C |
| <b>Handling:</b> | General industrial hygiene practices.  |

## SECTION 8: Exposure controls / Personal Protection

|                                |  |
|--------------------------------|--|
| <b>Respiratory Protection:</b> |  <p>No data available</p> |
|--------------------------------|--|

|  |   |
|--|---|
| <b>Skin and Body:</b>                    |   <p>No data available</p> |
| <b>Eyes:</b>                             |  <p>No data available</p>  |
| <b>Ventilation/Engineering Measures:</b> | Ensure adequate ventilation.  |
| <b>Hygiene:</b>                          | General industrial hygiene practices.   |
| <b>Other:</b>                            | Contains no substances with occupational exposure limit values.   |

## SECTION 9: Physical and Chemical Properties

|                               |                                       |
|-------------------------------|---------------------------------------|
| <b>Appearance &amp; Odor:</b> | Solid, powder                         |
| <b>Formula</b>                | $C_{19}H_{17}N_5O_2 \cdot 2CH_3SO_3H$ |
| <b>Molecular Wt.</b>          | 539.6                                 |
| <b>Melting Pt.</b>            | 217 - 220°C (423 - 428°F)             |
| <b>Boiling Pt.</b>            | No data available                     |
| <b>Density:</b>               | No data available                     |
| <b>Vapor Pressure:</b>        | No data available                     |
| <b>Evaporation Rate:</b>      | No data available                     |
| <b>Vapor Density:</b>         | No data available                     |
| <b>Solubility:</b>            | DMSO, DMSO:PBS (pH 7.2) (1:1)         |
| <b>Flash Point:</b>           | No data available                     |
| <b>Autoignition Temp:</b>     | No data available                     |

## SECTION 10: Stability and Reactivity

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable under recommended storage conditions. |
| <b>Hazardous decomposition products:</b> | No data available                            |

|                             |                         |
|-----------------------------|-------------------------|
| <b>Materials to Avoid:</b>  | Strong oxidizing agents |
| <b>Conditions to avoid:</b> | No data available       |

## SECTION 11: Toxicological Information

|  |   |
|--|---|
| <b>RTECS#:</b>   | DG2736000   |
| <b>ACUTE Toxicity:</b>   | LD50 Oral = 3,050 mg/kg (Rat)   |
| <b>CHRONIC Toxicity:</b>   | N/A   |
| <b>Chronic Exposure:</b><br><b>Carcinogen:</b><br><b>Mutagen:</b><br><b>Teratogen:</b><br><b>Reproductive:</b> | <p>IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.</p> <p>AGGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, potential human carcinogen by ACGIH.</p> <p>NTP: No component of this product present at levels greater than or equal to 0.1% is identified as known or anticipated human carcinogen by NTP.</p> <p>OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as known or potential human carcinogen by OSHA.</p> <p>EPA: No classification on carcinogenic data is available from EPA</p> |

## SECTION 12: Ecological Information

|                                       |                   |
|---------------------------------------|-------------------|
| <b>Ecotoxicity:</b>                   | No data available |
| <b>Mobility:</b>                      | No data available |
| <b>Persistence and degradability:</b> | No data available |
| <b>Bioaccumulative potential:</b>     | No data available |
| <b>Other adverse effects:</b>         | No data available |
| <b>Corrosivity Characteristic:</b>    | No data available |
| <b>General Notes:</b>                 | No data available |

## SECTION 13: Disposal Considerations

|   |  |
|---|--|
| <b>Residue Waste or Unused product:</b> | Dispose of product in accordance to local, state, and federal regulations. |
| <b>Contaminated Packaging:</b>          | Dispose of as unused product.  |

## SECTION 14: Transportation Information

|                            |               |
|----------------------------|---------------|
| <b>UN ID#:</b>             | N/A           |
| <b>ADR / RID (LAND):</b>   | Not regulated |
| <b>DOT regulations:</b>    | Not regulated |
| <b>IMDG/IMO (SEA):</b>     | Not regulated |
| <b>IATA/DGR (AIR):</b>     | Not regulated |
| <b>Special Provisions:</b> | N/A           |

## SECTION 15: Regulatory Information

|                                  |   |
|----------------------------------|---|
| <b>Health Phrases:</b>           | Warning!<br>H361 Suspected of damaging fertility or the unborn child.   |
| <b>Risk Phrases:</b>             | P201 Obtain special instructions before use.<br>P202 Do not handle until all safety precautions have been read and understood.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  |
| <b>Safety Phrases:</b>           | P308 + P313 IF exposed or concerned: Get medical advice/ attention.<br>P405 Store locked up.<br>P501 Dispose of contents/ container to an approved waste disposal plant.  |
| <b>EU Regulations:</b>           |   |
| <b>US Regulations:</b>           | TSCA: Not listed<br>California Proposition 65: No products were found   |
| <b>U.S. Federal Regulations:</b> | SARA 302/304 emergency planning and notification: No products were found.<br>SARA 311/312 MSDS distribution-chemical inventory-hazard identification: Chronic Health Hazard<br>SARA 313 toxic chemicals notification and release reporting: No products were found.<br><br>Clean Water Act (CWA) 307: No products were found.<br>Clean Water Act (CWA) 311: No products were found.<br>Clean Air Act (CAA) 112 accidental release prevention: No products were found.<br>Clean Air Act (CAA) 112 regulated flammable substances: No products were found.<br>Clean Air Act (CAA) 112 regulated toxic substances: No products were found.<br>OSHA: Reproductive toxicity (Cat. 2) |
| <b>WHMIS (Canada):</b>           | N/A   |

## SECTION 16: Other Information

**LIABILITY STATEMENT:** *The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. AG Scientific shall not be held liable for any damages resulting from handling or from contact with the above product. AG Scientific products are for research purposes only. Not for human use or consumption.*