1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers
   Product name: Tafamidis
   Product Catalogue Number: 319842
   Brand: MedKoo Biosciences
   CAS-No: 594839-88-0 (free acid)

1.2 Relevant identified uses of the substance or mixture and uses advised against
   Identified uses: Laboratory chemicals, Synthesis of substances.

1.3 Details of the supplier of the safety data sheet
   Company: MedKoo Biosciences, Inc.
   2500 Gateway Centre Blvd. Suite 400, Morrisville, NC 27560, USA
   Telephone: 919-636-5577
   Fax: 919-980-4831

1.4 Emergency telephone number
   Emergency Phone #: 911 (in USA) or local emergency phone#

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
   GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
   Skin irritation (Category 2), H315
   Serious eye damage (Category 1), H318
   Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
   For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements
   Pictogram:
   ![Pictogram]
   Signal word: Warning
   Hazard statement(s)
   H315: Causes skin irritation.
   H318: Causes serious eye damage.
   H335: May cause respiratory irritation.
   Precautionary statement(s)
   P260: Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
   P280: Wear protective gloves/ eye protection/ face protection.
   P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
   P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances
4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

May emit irritant fumes during combustion

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C for short term (weeks to 3 months) or -20°C for long term (3 months to years). Keep in a dry place.

7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSOAL PROTECTION

8.1 Control parameters
Components with workplace control parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tafamidis</td>
<td>594839-88-0 (free acid)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Data source
Body Protection
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance Form</td>
<td>Color: White to off-white</td>
</tr>
<tr>
<td></td>
<td>Form: solid powder</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>log Pow: &gt; 99</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2 Other safety information
No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical stability: Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions: No data available
10.4 Conditions to avoid: No data available

10.5 Incompatible materials: Strong acids/alkalis; strong oxidizing/reducing agents.

10.6 Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)
Other decomposition products - No data available
In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity: No data available
Inhalation: Irritating to respiratory system.
Dermal: No data available

Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available

Respiratory or skin sensitisation
Germ cell mutagenicity: No data available
Hamster: No data available
Lungs: No data available
Cytogenetic analysis: No data available
Mouse: No data available
Micronucleus test: No data available

Carcinogenicity
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.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
Reproductive toxicity - Rat - No data available
Maternal Effects: No data available
Effects on Newborn: No data available
Developmental Toxicity - Rat - No data available
Specific Developmental Abnormalities: No data available

Specific target organ toxicity - single exposure Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information
RTECS: DA8340700
Alopecia., Liver injury may occur., Kidney injury may occur., Nausea, Headache, Vomiting, bone marrow depression
Stomach - Irregularities - No data available
Central nervous system - No data available
Kidney - Irregularities - No data available
Heart - Irregularities - No data available

12. ECOLOGICAL INFORMATION
12.1 Toxicity: No data available

12.2 Persistence and degradability: No data available

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data 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 data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

   Product
   Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

   Contaminated packaging
   Dispose of as unused product.

14. TRANSPORT INFORMATION

   DOT (US): Not dangerous goods
   IMDG: Not dangerous goods
   IATA: Not dangerous goods

15. REGULATORY INFORMATION

   SARA 302 Components
   No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

   SARA 313 Components
   No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

   SARA 311/312 Hazards
   Acute Health Hazard, Chronic Health Hazard

   Massachusetts Right To Know Components
<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Revision data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tafamidis</td>
<td>594839-88-0 (free acid)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

   Pennsylvania Right To Know Components
<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Revision data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tafamidis</td>
<td>594839-88-0 (free acid)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

   New Jersey Right To Know Components
<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Revision data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tafamidis</td>
<td>594839-88-0 (free acid)</td>
<td>N/A</td>
</tr>
</tbody>
</table>
California Prop. 65 Components

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Revision data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tafamidis</td>
<td>594839-88-0 (free acid)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

- Acute Tox.  
  Acute toxicity
- Aquatic Chronic  
  Chronic aquatic toxicity
- Eye Dam.  
  Serious eye damage
- Eye Irrit.  
  Eye irritation
- Flam. Liq.  
  Flammable liquids
- H225  
  Highly flammable liquid and vapour.
- H301 + H311 + H331  
  Toxic if swallowed, in contact with skin or if inhaled
- H315  
  Causes skin irritation.
- H317  
  May cause an allergic skin reaction.
- H318  
  Causes serious eye damage.
- H319  
  Causes serious eye irritation.
- H334  
  May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335  
  May cause respiratory irritation.
- H336  
  May cause drowsiness or dizziness.
- H341  
  Suspected of causing genetic defects.
- H361  
  Suspected of damaging fertility or the unborn child.
- H370  
  Causes damage to organs.
- Resp. Sens.  
  Respiratory sensitisation
- Skin Irrit.  
  Skin irritation
- Skin Sens.  
  Skin sensitisation
- STOT SE  
  Specific target organ toxicity - single exposure

HMIS Rating

- Health hazard: 2
- Chronic Health Hazard: *
- Flammability: 0
- Physical Hazard 0

NFPA Rating

- Health hazard: 2
- Fire Hazard: 0
- Reactivity Hazard: 0

Further information

Copyright: MedKoo Biosciences. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MedKoo Biosciences and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.medkoo.com for additional terms and conditions of sale.

Preparation Information

MedKoo Biosciences, Inc.
Product Safety – multiple Region
Tel: 919-636-5577

Version: 3.11.  Revision Date: 10/31/2018  Print Date: 10/31/2018

---End of document ----