1. **PRODUCT AND COMPANY IDENTIFICATION**

1.1 Product identifier

Product name: Cilengitide
Catalog No.: HY-16141
CAS No.: 188968-51-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, manufacture of substances.

1.3 Details of the supplier of the safety data sheet

Company: MedChemExpress USA
Tel: 609-228-6898
Fax: 609-228-5909
E-mail: sales@medchemexpress.com

1.4 Emergency telephone number

Emergency Phone #: 609-228-6898

2. **HAZARDS IDENTIFICATION**

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards

None.

3. **COMPOSITION/INFORMATION ON INGREDIENTS**

3.1 Substances

Synonyms: EMD 121974
Formula: C27H40N8O7
Molecular Weight: 588.66
CAS No.: 188968-51-6

4. **FIRST AID MEASURES**

4.1 Description of first aid measures

**Eye contact**
Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.

**Skin contact**
Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.

**Inhalation**
Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

**Ingestion**
Wash out mouth with water; Do NOT induce vomiting; call 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).

4.3 **Indication of any immediate medical attention and special treatment needed**
Treat symptomatically.

5. **FIRE FIGHTING MEASURES**

5.1 **Extinguishing media**
**Suitable extinguishing media**
Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

5.2 **Special hazards arising from the substance or mixture**
During combustion, may emit irritant fumes.

5.3 **Advice for firefighters**
Wear self-contained breathing apparatus and protective clothing.

6. **ACCIDENTAL RELEASE MEASURES**

6.1 **Personal precautions, protective equipment and emergency procedures**
Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
Refer to protective measures listed in sections 8.

6.2 **Environmental precautions**
Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

6.3 **Methods and materials for containment and cleaning up**
Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

7. **HANDLING AND STORAGE**

7.1 **Precautions for safe handling**
Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation.

7.2 **Conditions for safe storage, including any incompatibilities**
Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

<table>
<thead>
<tr>
<th>Recommended storage temperature:</th>
<th>Powder</th>
<th>-20°C</th>
<th>3 years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4°C</td>
<td></td>
<td>2 years</td>
</tr>
<tr>
<td>In solvent</td>
<td>-80°C</td>
<td></td>
<td>6 months</td>
</tr>
<tr>
<td></td>
<td>-20°C</td>
<td></td>
<td>1 month</td>
</tr>
</tbody>
</table>

Shipping at room temperature if less than 2 weeks.

7.3 **Specific end use(s)**
No data available.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**
8.1 Control parameters

   Components with workplace control parameters
   This product contains no substances with occupational exposure limit values.

8.2 Exposure controls

   Engineering controls
   Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

   Personal protective equipment
   Eye protection          Safety goggles with side-shields.
   Hand protection        Protective gloves.
   Skin and body protection Impervious clothing.
   Respiratory protection  Suitable respirator.
   Environmental exposure controls Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

   Appearance          White to light yellow (Solid)
   Odor                No data available
   Odor threshold      No data available
   pH                  No data available
   Melting/freezing point No data available
   Boiling point/range No data available
   Flash point         No data available
   Evaporation rate    No data available
   Flammability (solid, gas) No data available
   Upper/lower flammability or explosive limits No data available
   Vapor pressure      No data available
   Vapor density       No data available
   Relative density    No data available
   Water Solubility    No data available
   Partition coefficient No data available
   Auto-ignition temperature No data available
   Decomposition temperature No data available
   Viscosity           No data available
   Explosive properties No data available
   Oxidizing properties No data available

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 oxidising/reducing agents.

10.6 Hazardous decomposition products
   Under fire conditions, may decompose and emit toxic fumes.
   Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
   Acute toxicity
   Classified based on available data. For more details, see section 2
   Skin corrosion/irritation
   Classified based on available data. For more details, see section 2
   Serious eye damage/irritation
   Classified based on available data. For more details, see section 2
   Respiratory or skin sensitization
   Classified based on available data. For more details, see section 2
   Germ cell mutagenicity
   Classified based on available data. For more details, see section 2
   Carcinogenicity
   IARC: No component of this product present at a level equal to or greater than 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
   ACGIH: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by ACGIH.
   NTP: No component of this product present at a level equal to or greater than 0.1% is identified as a anticipated or confirmed carcinogen by NTP.
   OSHA: No component of this product present at a level equal to or greater than 0.1% is identified as a potential or confirmed carcinogen by OSHA.
   Reproductive toxicity
   Classified based on available data. For more details, see section 2
   Specific target organ toxicity - single exposure
   Classified based on available data. For more details, see section 2
   Specific target organ toxicity - repeated exposure
   Classified based on available data. For more details, see section 2
   Aspiration hazard
   Classified based on available data. For more details, see section 2
   Additional information
   This information is based on our current knowledge. However the chemical, physical, and toxicological properties have not been completely investigated.

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 unavailable as chemical safety assessment not required or not conducted.

12.6 Other adverse effects
No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
Dispose substance in accordance with prevailing country, federal, state and local regulations.

Contaminated packaging
Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (US)
This substance is considered to be non-hazardous for transport.

IMDG
This substance is considered to be non-hazardous for transport.

IATA
This substance is considered to be non-hazardous for transport.

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:
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:
No SARA Hazards.

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.

### 16. OTHER INFORMATION

Copyright 2019 MedChemExpress. The above information is correct to the best of our present knowledge but does not purport to be all inclusive and should be used only as a guide. The product is for research use only and for experienced personnel. It must only be handled by suitably qualified experienced scientists in appropriately equipped and authorized facilities. The burden of safe use of this material rests entirely with the user. MedChemExpress disclaims all liability for any damage resulting from handling or from contact with this product.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898  Fax: 609-228-5909  E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA