

**SECTION 1: Product and Company Identification****Identification of the substance or mixture**

**Product Name:** Caspase-5 Substrate (Ac-WEHD-pNA) [1mM], Colorimetric  
**Catalog #:** 10056

**Company Identification**

Cepharm Life Sciences Inc.  
11830 W Market Place, Suite K  
Fulton, MD 20759  
USA  
Toll Free: 1-800-257-1565  
Phone: 410-636-4954

**24-hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Toll Free: 1-800-424-9300/ +1 703-527-3887 CCN 1010970**

**For Research Use Only. Not for use in diagnostic procedures.**

**SECTION 2: Hazards identification****Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified according to the CLP regulation.

**Label elements**

**Labelling according to Regulation (EC) No 1272/2008:** Void  
**Hazard pictograms:** Void  
**Signal word:** Void  
**Hazard statements:** Void

**Other hazards**

**Results of PBT and vPvB assessment**  
**PBT:** Not applicable.  
**vPvB:** Not applicable.

**SECTION 3: Composition / Information on Ingredients****Chemical characterization: Substances**

**CAS No. Description:**  
Ac-WEHD-pNA

**Identification number(s):** Not applicable

**SECTION 4: First Aid Measures****Description of first aid measures**

**General information:** No special measures required.  
**After inhalation:** Supply fresh air; consult doctor in case of complaints.  
**After skin contact:** Remove contaminated clothing.  
**After eye contact:** Rinse opened eye for several minutes under running water.  
**After ingestion:** If symptoms persist consult doctor.

**Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

In case of accident, seek medical advice immediately and show the label and the MSDS where possible.

**SECTION 5: Firefighting Measures****Extinguishing media****Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture**

No further relevant information available.

**Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Wear fully protective suit.

**SECTION 6: Accidental Release Measures****Personal precautions, protective equipment and emergency procedures:**

Avoid formation of dust.

Wear protective clothing.

**Environmental precautions:**

No special measures required.

**Methods and material for containment and cleaning up:**

Pick up mechanically.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**SECTION 7: Handling & Storage**

**Precautions for safe handling:** No special measures required.

**Information about fire - and explosion protection:** No special measures required.

**Conditions for safe storage, including any incompatibilities**

Keep away from heat, sources of ignition and incompatibles such as oxidizing agents.

**Storage:****Requirements to be met by storerooms and receptacles:**

Store tightly sealed in a cool, dry and well-ventilated location (see label for storage temperature and additional specific information).

**Information about storage in one common storage facility:**

Do not store in warm environment or in contact with flammable or oxidizing substances.

**Further information about storage conditions:** None.

**Specific end use(s)**

No further relevant information available.

**SECTION 8: Exposure Controls / Personal Protection**

**Additional information about design of technical facilities:** No further data; see item 7.

**Control parameters**

**Ingredients with limit values that require monitoring at the workplace:** Not required.

**Additional information:** The lists valid during the making were used as basis.

**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

**Respiratory protection:** Not required.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety glasses

**SECTION 9: Physical and Chemical Properties****Information on basic physical and chemical properties**

a) Appearance	Form: powder Color: yellow
b) Odor	characteristic
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

**Other safety information**

No data available

**SECTION 10: Stability & Reactivity****Reactivity**

No further relevant information available.

**Chemical stability**

Stable. Avoid strong oxidizing agents.

**Possibility of hazardous reactions**

No dangerous reactions known.

**Conditions to avoid**

No further relevant information available.

**Incompatible materials**

No further relevant information available.

**Hazardous decomposition products**

No dangerous decomposition products known.

**SECTION 11: Toxicological Information****Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

**Primary irritant effect****Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization**

Based on available data, the classification criteria are not met.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)****Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**SECTION 12: Ecological Information****Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability:** No further relevant information available.**Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.**Additional ecological information:****General notes:** Not known to be hazardous to water.**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects**

No further relevant information available.

**SECTION 13: Disposal Considerations****Waste treatment methods****Recommendation:** Smaller quantities can be disposed of with household waste.**Uncleaned packaging:****Recommendation:**

All waste must be handled in accordance with local, state and federal regulations. This material and its container must be disposed of in a safe way.

**SECTION 14: Transport Information**

<b>UN-Number</b>	Not applicable
<b>UN Proper Shipping Name</b>	Not applicable
<b>Transport hazard class(es)</b>	Not applicable
<b>Packing Group</b>	Not applicable
<b>Environmental hazards</b>	Not applicable
<b>Special precautions for user</b>	Not applicable
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable

## **SECTION 15: Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Directive 2012/18/EU**

**Named dangerous substances - ANNEX I** Substance is not listed.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other Information**

**Disclaimer:**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not represent any guarantee of the properties of the product. Cepham Life Sciences Incorporated and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.