

**Safety Data Sheet**

According to EC Directive 91/155/EEC

Date of issue: 25.09.2001 Supersedes edition of 18.02.1998

**1. Identification of the substance/preparation and of the company/undertaking***Identification of the product*

Catalogue No.: 502582

Product name: EMD 121974 Cyclopeptide

*Company/undertaking identification*

Company: Merck KGaA \* 64271 Darmstadt \* Germany \* Tel: +49 (0)6151/72-0

Emergency telephone No.: +49 (0)6151/72112 \* Telefax: +49 (0)6151/72-7780 \*

**2. Composition/information on ingredients***Synonyms*

L-arginyl-glycyl-L-aspartyl-D-phenylalanyl-L-N-methyl-valine

CAS-No.: 188968-51-6

M: 588.67 g/mol

Formula Hill: C<sub>27</sub>H<sub>40</sub>N<sub>8</sub>O<sub>7</sub>**3. Hazards identification**

Caution! Substance not yet fully tested.

The test results available so far do not permit a complete evaluation. Risks cannot be excluded if the product is handled inappropriately.

**4. First aid measures**

After inhalation: fresh air. Consult doctor if feeling unwell.

After skin contact: Wash off with water. Remove contaminated clothing.

After eye contact: Rinse out under running water. Call in ophthalmologist if necessary.

After swallowing: make the victim drink plenty of water, induce vomiting. Call in physician.

**5. Fire-fighting measures**

Suitable extinguishing media:

powder, foam, spray water. Fire extinguisher: powder for glowing fire, carbon dioxide.

Special risks:

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire: nitrogen oxides.

Special protective equipment for fire fighting:

Do not stay in dangerous zone without self-contained breathing apparatus.

Other information:

Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

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**6. Accidental release measures****Person-related precautionary measures:**

Avoid substance contact. Avoid generation of dusts; do not inhale dusts.

**Environmental-protection measures:**

Do not allow to enter sewerage system.

**Procedures for cleaning / absorption:**

Take up dry. Forward for disposal. Clean up affected area.

**7. Handling and storage****Handling:**

No further requirements.

**Storage:**

Tightly closed. Dry. At +15°C to +25°C.

**8. Exposure controls/personal protection****Personal protective equipment:**

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when dusts are generated.

Eye protection: required

Hand protection: Use recommended

**Industrial hygiene:**

Change contaminated clothing. Wash hands after working with substance.

**9. Physical and chemical properties**

Form:	solid	
Colour:	white	
Odour:	odourless	
pH value		not available
Melting point		not available
Boiling point		not available
Ignition temperature		not available
Flash point		not available
Explosion limits	lower	not available
	upper	not available
Density		not available
Solubility in water	(20 °C)	freely soluble

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**10. Stability and reactivity***Conditions to be avoided*

Strong heating.

*Substances to be avoided*

no information available

*Hazardous decomposition products*

in the event of fire: See chapter 5.

**11. Toxicological information***Acute toxicity*LD<sub>50</sub> (oral, rat): >2000 mg/kg.*Subacute to chronic toxicity*

Ames-Test: negative

*Further toxicological information*

Hazardous properties cannot be excluded.

*Further data*

Physiologically active substance. The product should be handled with the care usual when dealing with chemicals.

**12. Ecological information***Ecotoxic effects:*

Quantitative data on the ecological effect of this product are not available.

*Further ecologic data:*

Do not allow to enter waters, waste water, or soil!

**13. Disposal considerations***Product:*Chemicals must be disposed of in compliance with the respective national regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.*Packaging:*Merck product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under [www.retrologistik.de](http://www.retrologistik.de) you will find special information on the respective national conditions as well as contact partners.**14. Transport information**

Entire package: not subject to transport regulations.

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**15. Regulatory information***Labelling according to EC Directives*

Symbol: ---

R-phrases: ---

S-phrases: ---

Additional labelling  
according to German regs. on  
hazardous substances and to  
the German Emission  
Protection Act

Caution! Substance not yet fully tested.

*German regulations*

Water pollution class 1 (slightly polluting substance) VwVwS Anh. 3

Storage class VCI 10-13

**16. Other information***Reason for alteration*

Change in transport classification.

General update.

*Contact for information:*USP/GEN P • Tel: +49 6151/722775 • Fax: +49 6151/726433 • e-mail: [prodsafe@merck.de](mailto:prodsafe@merck.de)

*The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.*