



苏州麦轮生物科技有限公司  
Suzhou MyLand Pharm & Nutrition Inc.

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## MATERIAL SAFETY DATA SHEET (MSDS)

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifier

Product name: Aniracetam

CAS No.: 72432-10-1

#### 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**  
**Address**

SUZHOU MYLAND PHARM & NUTRITION INC.  
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**Telephone**  
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### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

#### 2.2 GHS Label elements, including precautionary

Not a hazardous substance or mixture.

#### 2.3 Other hazards

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Synonyms: 1-(4-methoxybenzoyl)-2-pyrrolidinon

Formula:

$C_{12}H_{13}NO_3$

Molecular Weight:

219.24

CAS No.:

72432-10-1

### 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**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### **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**

<b>Eye protection</b>	Safety goggles with side-shields.
<b>Hand protection</b>	Protective gloves.
<b>Skin and body protection</b>	Impervious clothing.
<b>Respiratory protection</b>	Suitable respirator.
<b>Environmental exposure controls</b>	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**

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

RTECS No.: Unavailable

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

### 14.1 UN number

ADR/RID: \_ IMDG: \_ IATA: \_

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: \_ IMDG: \_ IATA: \_

### 14.4 Packaging group

ADR/RID: \_ IMDG: \_ IATA: \_

### 14.5 Environmental hazards

ADR/RID: No IMDG Marine pollutant: No IATA: No

### 14.6 Special precautions for user

No data available.

## 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.

#### 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

### Further information

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