

# Safety Data Sheet (SDS)

**According to Regulation (EC) No. 1907/2006 (REACH)**

**Product:** Fasoracetam

**CAS number:** 110958-19-5

**Revision date:** 13 March 2026

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## 1. Identification of the substance and of the company

### Product identifier

Product name: Fasoracetam

CAS number: 110958-19-5

Synonyms: NS 105; LAM-105; (5R)-5-(piperidine-1-carbonyl)pyrrolidin-2-one.

### Relevant identified uses

Chemical reference material

Laboratory research and analytical applications

Not intended for food, drug, cosmetic or household use.

### Supplier

Rexar

Genestetstraat 3

2394 XK Hazerswoude

Netherlands

Email: [info@rexar.nl](mailto:info@rexar.nl)

### Emergency information

Contact local poison control centre.

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## 2. Hazards identification

### Classification according to Regulation (EC) No. 1272/2008 (CLP)

Not classified as hazardous according to the supplier safety documentation used for this draft. The reviewed Cayman SDS does not assign a hazard classification in section 2.

### Label elements

Pictograms: None  
Signal word: None  
Hazard statements: None.

### **Other hazards**

Handle in accordance with standard laboratory safety practices. Avoid dust formation, inhalation of airborne particles, and unnecessary contact with skin or eyes. Cayman's product insert also says the material should be handled as hazardous until further information is available, so normal lab precautions remain sensible.

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## 3. Composition / information on ingredients

Substance: Fasoracetam

CAS number: 110958-19-5

Molecular formula: C<sub>10</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>

Molecular weight: 196.25 g/mol.

Purity: typically  $\geq 98\%$

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## 4. First aid measures

### **General advice**

Remove affected person from exposure and ensure fresh air.

### **Inhalation**

Move person to fresh air. Seek medical advice if symptoms occur.

### **Skin contact**

Wash thoroughly with soap and water.

### **Eye contact**

Rinse cautiously with water for several minutes.

### **Ingestion**

Rinse mouth. Seek medical advice if feeling unwell.

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## 5. Firefighting measures

### **Suitable extinguishing media**

Water spray  
Carbon dioxide  
Dry chemical powder  
Foam

### **Special hazards**

Combustion may produce carbon oxides and nitrogen oxides. This is a standard decomposition profile for an organic nitrogen-containing compound.

### **Protective equipment**

Firefighters should wear self-contained breathing apparatus.

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## 6. Accidental release measures

### **Personal precautions**

Avoid dust formation and inhalation. Use appropriate protective equipment.

### **Environmental precautions**

Prevent entry into drains or waterways.

### **Cleanup methods**

Collect material mechanically using suitable laboratory procedures and place in an appropriate waste container.

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## 7. Handling and storage

### **Handling**

Use standard laboratory safety practices. Avoid generation and inhalation of dust.

### **Storage**

Store in a tightly sealed container.  
Keep in a cool, dry and well-ventilated area.

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## 8. Exposure controls / personal protection

### **Exposure limits**

No occupational exposure limits established in the reviewed supplier SDS.

### **Engineering controls**

Use adequate ventilation.

### **Personal protective equipment**

Eye protection: safety glasses

Gloves: nitrile or chemical-resistant gloves

Respiratory protection: dust mask if dust is generated

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## 9. Physical and chemical properties

Appearance: white to off-white crystalline powder

Physical state: solid

Molecular formula: C<sub>10</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>

Molecular weight: 196.25 g/mol.

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## 10. Stability and reactivity

### **Chemical stability**

Stable under recommended storage conditions.

### **Conditions to avoid**

Excessive heat

Moisture

Dust generation

### **Hazardous decomposition**

Carbon oxides

Nitrogen oxides

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## 11. Toxicological information

Limited toxicological data are publicly available.

Based on the supplier safety documentation used for this draft, the substance is **not classified as hazardous according to CLP**. Cayman's insert nevertheless advises treating the material cautiously in laboratory handling.

Exposure routes may include inhalation of dust, ingestion, skin contact and eye contact.

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## 12. Ecological information

Limited ecological data available.

Avoid release into the environment.

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## 13. Disposal considerations

Dispose of material in accordance with local regulations.

Chemical waste should be handled by licensed disposal services.

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## 14. Transport information

Not classified as dangerous goods according to the reviewed supplier documentation.

ADR (road)

IMDG (sea)

IATA (air)

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## 15. Regulatory information

This product is supplied as a **chemical reference material for laboratory use**.

For this Rexar draft, the classification line used is:

**Not classified as hazardous according to the supplier safety documentation used for this draft.**

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## 16. Other information

This Safety Data Sheet provides information for safe handling in laboratory environments.

The product is supplied **for research and analytical use only**.

The information provided is based on reviewed public supplier safety documentation and chemical identity records and is believed to be accurate, but does not constitute a guarantee of product properties.