

## Safety Data Sheet (SDS)

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

**Product:** Nooglutyl

**CAS number:** 112193-35-8

**Revision date:** 13 March 2026

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

#### Product identifier

Product name: Nooglutyl

Alternative name: Nooglutil

CAS number: 112193-35-8

Synonyms: ONK-10; N-5-(Hydroxynicotinoyl)-L-glutamic acid.

#### Relevant identified uses

Chemical reference material

Laboratory research and analytical applications

Not intended for food, drug, cosmetic or household use. The reviewed supplier SDS states:  
**for research use only – not for human or veterinary use.**

#### Supplier

Rexar

Genestetstraat 3

2394 XK Hazerswoude

Netherlands

Email: 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)**

Acute toxicity (oral), Category 4

**H302 Harmful if swallowed**

Acute toxicity (dermal), Category 4  
**H312 Harmful in contact with skin**

Acute toxicity (inhalation), Category 4  
**H332 Harmful if inhaled**

Skin irritation, Category 2  
**H315 Causes skin irritation**

Eye irritation, Category 2B  
**H320 Causes eye irritation**

### **Label elements**

Pictogram: **GHS07**  
Signal word: **Warning**

### **Hazard statements**

**H302** Harmful if swallowed.  
**H312** Harmful in contact with skin.  
**H332** Harmful if inhaled.  
**H315** Causes skin irritation.  
**H320** Causes eye irritation.

### **Precautionary statements**

P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves / eye protection.  
P301+P312 **IF SWALLOWED:** Call a POISON CENTER or doctor if you feel unwell.  
P302+P352 **IF ON SKIN:** Wash with plenty of soap and water.  
P304+P340 **IF INHALED:** Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P330 Rinse mouth.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P363 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/container in accordance with local regulations.

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## 3. Composition / information on ingredients

Substance: Nooglutyl

CAS number: 112193-35-8

Molecular formula: C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O<sub>6</sub>

Molecular weight: 268.22 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. Seek medical attention if symptoms occur.

### **Inhalation**

Move person to fresh air. Get medical attention if symptoms occur.

### **Skin contact**

Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Wash clothing before reuse. Seek medical attention if symptoms occur.

### **Eye contact**

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined by medical personnel if needed.

### **Ingestion**

Wash out mouth with water if conscious. Do not induce vomiting unless directed by medical personnel. Get medical attention.

### **Most important symptoms and effects**

The reviewed supplier SDS lists possible effects including cough, drowsiness, headache, weakness/exhaustion and CNS depression.

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## 5. Firefighting measures

### **Suitable extinguishing media**

Use fire-fighting measures suitable for the surrounding environment. A solid water stream may be inefficient.

### **Special hazards**

No specific additional fire hazard was identified in the reviewed supplier SDS.

### **Protective equipment**

Firefighters should wear self-contained breathing apparatus and full protective gear.

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## 6. Accidental release measures

### **Personal precautions**

Avoid raising and breathing dust. Ensure adequate ventilation. Use appropriate personal protective equipment.

### **Environmental precautions**

Do not allow material to enter sewers, surface water or ground water.

### **Cleanup methods**

Contain spill and collect into a suitable chemical waste container for disposal according to local regulations.

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## 7. Handling and storage

### **Handling**

Avoid breathing dust, fume, gas, mist, vapours or spray. Avoid prolonged or repeated exposure.

### **Storage**

Keep container tightly closed. Store in a cool, dry place in accordance with product storage information. No special storage-room requirements were stated in the reviewed SDS.

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## 8. Exposure controls / personal protection

### **Exposure limits**

No specific occupational exposure limit for Nooglutyl itself was clearly established in the reviewed SDS.

### **Engineering controls**

Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne exposure.

### **Personal protective equipment**

Eye protection: safety glasses

Gloves: chemical-resistant gloves

Respiratory protection: NIOSH-approved respirator where conditions warrant

Protective clothing: lab coat.

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## 9. Physical and chemical properties

Appearance: solid

Color: characteristic

Odor: characteristic

Molecular formula: C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O<sub>6</sub>

Molecular weight: 268.22 g/mol

Flammability: product is not flammable

Explosion hazard: product does not present an explosion hazard.

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## 10. Stability and reactivity

### **Chemical stability**

No decomposition if used according to specifications.

### **Possibility of hazardous reactions**

No dangerous reactions known.

### **Incompatible materials**

Strong acids

Strong bases

Strong oxidizing agents.

### **Hazardous decomposition**

Carbon oxides

Nitrogen oxides

Phosphorus oxides.

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## 11. Toxicological information

Based on the reviewed supplier SDS, the substance is classified as:

**Acute toxicity (oral), Category 4 – H302**

**Acute toxicity (dermal), Category 4 – H312**

**Acute toxicity (inhalation), Category 4 – H332**

**Skin irritation, Category 2 – H315**

**Eye irritation, Category 2B – H320.**

The same SDS notes that skin irritation, eye irritation and sensitisation were **not determined** as measured endpoints in the tox section, even though the product is still classified with H315 and H320 in the hazards section.

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## 12. Ecological information

Aquatic toxicity, persistence, bioaccumulation and mobility data were listed as not further available in the reviewed SDS. The same source rates the material as **Water hazard class 1 (self-assessment): slightly hazardous for water** and advises preventing release to groundwater, watercourses and sewage systems.

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## 13. Disposal considerations

Dispose of in accordance with official regulations. The reviewed SDS states that small quantities may be disposed of with household waste, but for Rexar I would keep the stricter professional wording and route it through normal chemical-waste handling.

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## 14. Transport information

Not regulated / not dangerous goods according to the reviewed supplier SDS for:

ADR/RID/ADN

IMDG

IATA-DGR.

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## 15. Regulatory information

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

Classification line used in this draft:

**H302, H312, H332, H315, H320 with GHS07 and Warning.**

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