

Safety Data Sheet (SDS)

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

Product: Sunifiram

CAS number: 314728-85-3

Revision date: 13 March 2026

1. Identification of the substance and of the company

Product identifier

Product name: Sunifiram

CAS number: 314728-85-3

Synonyms: DM-235; 1-(4-benzoylpiperazin-1-yl)propan-1-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

Emergency information

Contact local poison control centre.

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. A reviewed Cayman Chemical SDS shows **no GHS label elements, no hazard pictograms, no signal word and no hazard statements.**

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 also states that no adverse physical or health effects are known outside the standard hazard classes covered by the hazard communication system.

3. Composition / information on ingredients

Substance: Sunifiram

CAS number: 314728-85-3

Molecular formula: C₁₄H₁₈N₂O₂

Molecular weight: 246.30 g/mol.

Purity: typically ≥98%

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. Cayman states: supply fresh air; consult a doctor in case of complaints.

Skin contact

Wash thoroughly with soap and water. Cayman notes the product generally does not irritate the skin.

Eye contact

Rinse cautiously with water for several minutes. Cayman advises rinsing opened eye for several minutes under running water.

Ingestion

Rinse mouth. Seek medical advice if symptoms persist. Cayman states: if swallowed, consult doctor if symptoms persist.

5. Firefighting measures

Suitable extinguishing media

Use fire-fighting measures that suit the surrounding environment. Cayman states that a solid water stream may be inefficient.

Special hazards

Combustion may produce carbon oxides and nitrogen oxides. One reviewed supplier SDS also lists phosphorus oxides, although that is chemically less intuitive for the stated formula, so I would leave that out in the Rexar version.

Protective equipment

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus where needed.

6. Accidental release measures

Personal precautions

Avoid dust formation and inhalation. Use appropriate protective equipment.

Environmental precautions

Do not allow product to enter sewers, surface water or ground water. Cayman states this explicitly.

Cleanup methods

Pick up mechanically and place in a suitable waste container. Cayman uses the same cleanup approach.

7. Handling and storage

Handling

Use standard laboratory safety practices. Avoid generation of dust. Cayman states that no special handling measures are required.

Storage

Store in accordance with the product insert or in a tightly sealed container in a cool, dry and well-ventilated area. Cayman indicates no special storage requirements beyond following product storage information.

8. Exposure controls / personal protection

Exposure limits

No occupational exposure limits established in the reviewed Cayman SDS. It states components with workplace monitoring requirements are not required.

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

9. Physical and chemical properties

Appearance: solid / crystalline powder

Color: white to off-white

Odor: characteristic or faint odor

Molecular formula: C₁₄H₁₈N₂O₂

Molecular weight: 246.30 g/mol

Melting point: 98–101 °C has been listed on your own Rexar product pages; other supplier SDS sources leave melting point undetermined.

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.

11. Toxicological information

Limited toxicological data are publicly available.

Based on the supplier documentation used for this draft, the substance is **not classified as hazardous according to CLP**. Cayman reports no further relevant acute or delayed toxicological effects in its reviewed SDS. A different supplier applies a more conservative self-classification, so this is one of the compounds where supplier SDS documents are not fully aligned.

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

12. Ecological information

Limited ecological data available.

Avoid release into the environment. Cayman specifically states not to allow entry into sewers, surface water or ground water.

13. Disposal considerations

Dispose of material in accordance with local regulations.

Chemical waste should be handled by licensed disposal services.

14. Transport information

Not classified as dangerous goods according to the reviewed supplier documentation. Venogen explicitly lists it as **not dangerous goods** for ADR/RID and IATA in the reviewed transport section.

ADR (road)
IMDG (sea)
IATA (air)

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. Cayman's reviewed SDS shows no GHS classification or hazard statements.

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.