

SAFETY DATA SHEET

Version: 5.0

First Release Date: 03.03.2025

According to Regulations (EC) No.: 1907/2006

Revision Date: 01.06.2026

SECTION 1: Identification of the substance/ mixture and of the company/ undertaking

1.1 Product identifier

Product name : Guanosine 5'-diphospho-L-fucose ammonium salt (animal-free)
 CAS-No. : n/a
 Other CAS-No. : 15839-70-0 (GDP-L-Fuc free acid); 148296-47-3 (GDP-L-fuc disodium salt)
 Brand : eversyn
 REACH-registration-No. : No registration available for this compound, because the compound or the application is excluded from registration, the annual production tonnage doesn't require.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, biochemical R&D
 Restriction on use : only for laboratory use, not for food or drug use

1.3 Details of the supplier of the safety data sheet

Company : eversyn GmbH
 Weinbergweg 23
 06120 Halle (Saale)
 Telephone : +49 391 67 54 676
 E-mail address : info@eversyn.de

1.4 Emergency telephone number

Emergency phone : 112 (EU emergency call)

SECTION 2: Hazardous identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

2.2 Label elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

2.3 Other hazards

To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms : GDP-L-fucose; GDP-fucose; GDP-Fuc
 Formula : $C_{16}H_{23}N_5O_{15}P_2 \cdot 2 NH_4$
 Molecular weight : 623.38 g/mol
 CAS-No. : n/a

No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

4.1 Description of first aid measures

After eye contact

Rinse out with plenty of water for at least 15 minutes. Remove contact lenses.

After skin contact

Take off immediately contaminated clothing. Wash skin with plenty of water and soap. Wash contaminated clothes before use.

After inhalation

Remove casualty to fresh air and keep at rest.

If swallowed

Rinse mouth with plenty of water, make victim drink water (two glasses at most). Contact doctor, if feeling unwell.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for additional information on health hazards.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Water, carbon dioxide (CO₂), foam, dry extinguishing powder

5.2 Special hazards arising from the substance or mixture

Carbon oxides

Nitrogen oxides (NO_x)

Oxides of phosphorus

Sodium oxides

Development of hazardous combustion gases or vapours possible in the event of fire.

5.3 Advice for firefighters

In event of fire, wear self-contained breathing apparatus. Suppress gases/water/mist with a water spray jet. Collect contaminated fire extinguishing water separately, prevent it from surface water and ground water system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid inhalation of dusts. Evacuate danger zone, follow emergency procedures, contact an expert. For personal protection see Section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and material for containment and cleaning up

Cover drains. Collect, bind and pump off spills. Take up dry. Collect in closed and suitable containers for disposal. Dispose of properly. Clean up contaminated areas thoroughly. Avoid generation of dusts.

6.4 Reference to other sections

For disposal see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

7.2 Conditions for safe storage

Storage conditions

Tightly closed container in dry environment.

Storage temperature

< -15 °C

7.3 Specific end use(s)

Apart from the uses mentioned in Section 1.2 no other specific uses are foreseen.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limits.

8.2 Exposure controls

Personal protective equipment

Eye Protection:

Wear appropriate protective eyeglasses or chemical safety goggles according standards such as NIOSH (US) or EN 166(EU).

Skin Protection:

Wear compatible chemical-resistant gloves and clothing. Wash contaminated clothing before use.

Respiratory Protection:

Required when dusts are generated. Recommended filter type: Filter type P1. Filtering respiratory protection should be based on following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to used respiratory protection system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Color	white
b) Form	powder
c) Odor	No data available
d) Melting point/ freezing point	No data available
e) Initial boiling point	No data available
f) Flammability	No data available
g) Upper/lower flammability or explosive limits	No data available
h) Flash point	No data available
i) Autoignition temperature	No data available
j) Decomposition temperature	No data available
k) pH	No data available
l) Viscosity	No data available
m) Water solubility	> 50 g/L
n) Partition coefficient	No data available
o) Vapor pressure	No data available
p) Density	No data available
q) Relative vapor density	No data available
r) Particle characteristics	No data available
s) Explosive properties	Not classified as explosive
t) Oxidizing properties	none

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

10.2 Chemical stability

The product is chemically stable under standard handling and storage conditions.

10.3 Possibility of hazardous reactions

Violent reactions possible with: Strong oxidizing agents

10.4 Conditions to avoid

No information available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Does not decompose when used as intended. In the event of fire: see Section 5.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

We are not aware of any toxicological data.

11.2 Information on other hazards

No data available

SECTION 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

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

No data available

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous good IMDG: Not dangerous good IATA: Not dangerous good

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packing group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

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

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Not applicable

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

This information has been compiled to the best of our knowledge, but does not claim to be complete and should only be understood by the user as a guide, which is based on current knowledge of the chemical substance or mixture and is applicable to appropriate safety precautions for the product. It does not represent any guarantee of the properties of the product. eversyn GmbH excludes any liability for damage that may occur when handling or coming into contact with these chemicals. For general terms and conditions and additional information see www.eversyn.de.

Copyright (2025): eversyn GmbH. License granted to make unlimited paper copies for internal use only.