

SECTION 1: Product and Company Identification

Identification of the substance or mixture

Catalog #: 10482, 10482-1
Product Name: Bovine Gamma Globulin Protein Standard [2mg/ml]

Company Identification

Cepharm Life Sciences Inc.
11830 W Market Place, Suite K
Fulton, MD 20759
USA
Toll Free: 1-800-257-1565
Phone: 410-636-4954

24-hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Toll Free: 1-800-424-9300/ +1 703-527-3887 CCN 1010970

For Research Use Only. Not for use in diagnostic procedures.

SECTION 2: Hazards identification

Classification of the substance or mixture

The product is not classified according to the Globally Harmonized System (GHS).

Label elements

GHS label elements Void
Hazard pictograms Void
Signal word Void
Hazard statements Void
Additional information: Contact with acids may cause release of toxic gases
Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable

SECTION 3: Composition / Information on Ingredients

Chemical characterization: Substances

CAS No. Description:
7732-18-5 water

Identification number(s):

EC number: 231-791-2

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions.

Listing of dangerous and non-hazardous components:

CAS-No.	Component	Percent Weight
7647-14-5	Sodium chloride	0.1-1.0%
9007-83-4	Gamma globulin	0.1-1.0%
7732-18-5	Water	50-100%

Additional information

For the wording of the listed risk phrases refer to section 15.

SECTION 4: First Aid Measures

Description of first aid measures

General information

After inhalation

After skin contact

After eye contact

After swallowing

No special measures required.

Supply fresh air; consult doctor in case of complaints.

Generally the product does not irritate the skin.

Rinse opened eye for several minutes under running water.

Induce vomiting and call for medical help.

Information for doctor

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting Measures

Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

No further relevant information available.

Advice for firefighters

Protective equipment

No special measures required.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Environmental precautions

Dilute with plenty of water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling & Storage

Handling

Precautions for safe handling

No special measures required.

Information about protection against explosions and fires

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Information about storage in one common storage facility:

Further information about storage conditions:

According to product specification

Not required.

None.

Specific end use(s)

No further relevant information available.

SECTION 8: Exposure Controls / Personal Protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace

26628-22-8 sodium azide	
REL ()	Short-term value: C 0.3** mg/m ³ , C 0.1* ppm *as HN ₃ ; **as NaN ₃ ; Skin
TLV ()	Short-term value: C 0.29** mg/m ³ , C 0.11* ppm *as HN ₃ vapor **as NaN ₃

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed.

Breathing equipment:

Not required.

Protection of hands:

Protective gloves.

Material of gloves

Synthetic gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance	Form: Liquid
	Color: Colorless
b) Odor	Odorless
c) Odor Threshold	Not determined
d) pH	6.9
e) Melting point/freezing point	0 °C
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
j) Upper/lower flammability or explosive limits	no data available
k) Vapor pressure	at 20 °C: 23 hPa
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	Fully miscible
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	Product is not self-igniting.
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	Product does not present an explosion hazard.
t) Oxidizing properties	No data available

Other safety information

No data available

SECTION 10: Stability & Reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

Possibility of hazardous reactions

This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds of lead azide and copper azide.

Conditions to avoid

No further relevant information available.

Incompatible materials:

This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds of lead azide and copper azide.

Hazardous decomposition products

No dangerous decomposition products known

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity:**Primary irritant effect:****on the skin:**

No irritant effect.

on the eye:

No irritant effect.

Sensitization:

No sensitizing effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: Ecological Information

Toxicity

Aquatic toxicity:

No further relevant information available.

Persistence and degradability

No further relevant information available.

Behavior in environmental systems:**Bioaccumulative potential**

No further relevant information available.

Mobility in soil

No further relevant information available.

Additional ecological information:**General notes:**

Generally not hazardous for water.

Results of PBT and vPvB assessment**PBT:**

Not applicable.

vPvB:

Not applicable.

Other adverse effects

No further relevant information available.

SECTION 13: Disposal Considerations

Waste treatment methods

Recommendation

Hand over to hazardous waste disposers.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agent:** Water, if necessary with cleansing agents

SECTION 14: Transport Information

DOT Not dangerous goods

IATA Not dangerous goods

ADR Not dangerous goods

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)

Section 302/304 (40CFR355.30 / 40CFR355.40):

26628-22-8

Sodium azide

Section 313 (40CFR372.65):	
26628-22-8	Sodium azide

TSCA (Toxic Substances Control Act):	
26628-22-8	Sodium azide
7647-14-5	Sodium chloride
7732-18-5	Water

Carcinogenic categories

EPA (Environmental Protection Agency)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

26628-22-8 - sodium azide – A4

MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

National regulations

Water hazard class:

Generally not hazardous for water.

Chemical safety assessment

A Chemical Safety Assessment has not been carried out

SECTION 16: Other Information

Disclaimer:

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not represent any guarantee of the properties of the product. Cepham Life Sciences Incorporated and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.