

SECTION 1: Product and Company Identification

Identification of the substance or mixture

Product Name: Nickel-NTA Agarose Resin
Catalog #: 10593, 10593-1, 10594, 10595

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

GHS Classification

Flammable Liquid (Category 4)
 Skin Corrosion (Category 2)
 Eye Irritation (Category 2A)
 Respiratory Sensitizer (Category 1)
 Skin Sensitizer (Category 1)
 Carcinogenicity (Category 1A)
 Specific Target Organ Toxicity, Repeated exposure (Category 2)
 Reproductive Toxicity (Category 1A)

GHS Label Elements, Including Precautionary Statements

Pictogram	
Signal Word	Danger!
Hazard Statements	
H227:	Combustible liquid
H315:	Causes skin irritation
H317:	May cause an allergic skin reaction
H319:	Causes serious eye irritation
H334:	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H350:	May cause cancer
H360:	May damage fertility or the unborn child
H373:	May cause damage to organs through prolonged or repeated exposure
Precautionary Statements	
P261:	Avoid breathing dust/fume/gas/mist/vapors/spray
P262:	Do not get in eyes, on skin, or on clothing
P263:	Avoid contact during pregnancy/while nursing
P264:	Wash skin thoroughly after handling
P332+313:	If skin irritation occurs: Get medical advice/attention
P337+313:	If eye irritation persists get medical advice/attention

HMIS Classification

Health Hazard:	2
Chronic Health Hazard:	*
Flammability:	2
Physical Hazards:	0

NFPA Rating

Health Hazard:	2
Fire:	2
Reactivity Hazard:	0

SECTION 3: Composition / Information on Ingredients**Composition**

Identity:	Agarose resin
IUPAC:	
CAS Number:	9012-36-6 [50% v/v]
Identity:	Ethanol
CAS Number:	64-17-5 [<20%]

SECTION 4: First Aid Measures**Detailed First Aid Measures**

Eye:	Immediately rinse out with water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Consult a physician.
Skin:	Immediately wash skin copiously with soap and water. Take victim immediately to hospital. Consult a physician.
Ingestion:	Wash out mouth with water. Drink plenty of water. Consult a physician. Never give anything by mouth to an unconscious person.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Notes to Physician:	Treat symptomatically and supportively.

Most Important Symptoms and Effects, Either Acute or Delayed

The most important known symptoms and effects are described in the labeling (see section 2). And /or in section 11.

Indication of immediate medical attention and special treatment needed

Not available

SECTION 5: Firefighting Measures**Conditions of flammability:**

Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

During a fire, highly toxic gases may be generated by thermal decomposition or combustion – Unknown.

Specific protective actions for fire-fighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes

SECTION 6: Accidental Release Measures**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions:

Do not let product enter drains.

Methods and materials for containment and cleaning up:

Soak up with absorbent material, discard.

SECTION 7: Handling & Storage

Precautions for safe handling

Always wear personal protective equipment (PPE, see section 8).

Conditions for safe storage, including any incompatibilities

Keep container tightly closed.
store at 4°C. Do NOT freeze.

SECTION 8: Exposure Controls / Personal Protection

Control Parameters:

Contains no substances with occupational exposure limit values.

Appropriate engineering controls:

Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE):

Eye/Face Protection: Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique - without touching outer surface of glove - to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Other Protective Clothing or Equipment: Wear appropriate protective clothing to prevent exposure.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance	Form: liquid
b) Odor	No data available
c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
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) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

Other safety information

No data available

SECTION 10: Stability & Reactivity

Reactivity:

Not available

Chemical Stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

Not available.

Conditions to avoid:

Incompatible materials.

Incompatible materials:

Strong oxidizing agents.

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Unknown.

SECTION 11: Toxicological Information**Acute toxicity**

no data available

Irritation and corrosion

no data available

Respiratory or Skin Sensitization

no data available

Germ Cell Mutagenicity

No data available.

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 probable, possible or confirmed human carcinogen by ACGIH.
NTP:	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 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.

Reproductive toxicity:

Not available.

STOT-single exposure:

Not available.

STOT-repeated exposure:

Not available.

Aspiration hazard:

Respiratory organs, mouth, skin, and eyes.

Symptoms of exposure:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological Information**Toxicity:**

Not available.

Persistence and degradability:

Not available.

Bioaccumulative potential:

Not available.

Mobility in soil:

Not available.

Other adverse effects:

None.

SECTION 13: Disposal Considerations

Dispose of product in accordance with local rules and regulations.

SECTION 14: Transport Information

DOT (US)

UN Number: NA-1993
Proper shipping name: Combustible liquid, n.o.s. (ethanol)
Class:
Packing Group: III
Marine Pollutant:

IMDG

This material is considered to be non-hazardous for transport.

IATA

This material is considered to be non-hazardous for transport.

SECTION 15: Regulatory Information

SARA 302 Components:

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components:

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards:

No SARA Hazards.

Massachusetts Right To Know Components:

Ethanol CAS - No. 64-17-5 [<20%]

Pennsylvania Right To Know Components:

Ethanol CAS - No. 64-17-5 [<20%]

New Jersey Right To Know Components:

Ethanol CAS - No. 64-17-5 [<20%]

California Prop. 65 Components:

This product does not contain any chemical known to the State of California to cause cancer, birth, or any other reproductive defects.

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.