

## SECTION 1: Product and Company Identification

### Identification of the substance or mixture

**Catalog #:** 10483, 10483-1  
**Product Name:** Acrylamide

### 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

#### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 3), H301  
 Acute toxicity, Inhalation (Category 4), H332  
 Acute toxicity, Dermal (Category 4), H312  
 Skin irritation (Category 2), H315  
 Eye irritation (Category 2A), H319  
 Skin sensitisation (Category 1), H317  
 Germ cell mutagenicity (Category 1B), H340  
 Carcinogenicity (Category 1B), H350  
 Reproductive toxicity (Category 2), H361  
 Specific target organ toxicity - repeated exposure, Oral (Category 1), Peripheral nervous system, H372  
 Acute aquatic toxicity (Category 3), H402

For the full text of the H-Statements mentioned in this Section, see Section 16.

### GHS Label elements, including precautionary statements

Pictogram	
Signal word	Danger
Hazard statement(s)	
H301	Toxic if swallowed.
H312 + H332	Harmful in contact with skin or if inhaled
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H340	May cause genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H372	Causes damage to organs (Peripheral nervous system) through prolonged or repeated exposure if swallowed.
H402	Harmful to aquatic life.

Precautionary statement(s)	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P310 + P330	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
P302 + P352 + P312	IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/physician if you feel unwell.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

### SECTION 3: Composition / Information on Ingredients

#### Substances

Synonyms:	Acrylic acid amide 2-Propenamide
Formula:	C3H5NO
Molecular weight:	71.08 g/mol
CAS-No.:	79-06-1
EC-No.:	201-173-7
Index-No.:	616-003-00-0
Registration number:	01-2119463260-48-XXXX

#### Hazardous components

Component	Classification	Concentration
<b>Acrylamide</b> Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)		
	Acute Tox. 3; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1; Muta. 1B; Carc. 1B; Repr. 2; STOT RE 1; Aquatic Acute 3; H301, H312 + H332, H315, H317, H319, H340, H350, H361, H372, H402	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 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**CO<sub>2</sub>, 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:**

According to product specification

**Information about storage in one common storage facility:**

Not required.

**Further information about storage conditions:**

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**

<b>Components with limit values that require monitoring at the workplace</b>	
<b>26628-22-8 sodium azide</b>	
REL ()	Short-term value: C 0.3** mg/m <sup>3</sup> , C 0.1* ppm *as HN <sub>3</sub> ; **as NaN <sub>3</sub> ; Skin
TLV ()	Short-term value: C 0.29** mg/m <sup>3</sup> , C 0.11* ppm

**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

<b>TSCA (Toxic Substances Control Act):</b>	
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.