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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

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**1.1 Product identifiers**

Product name: **LysC Column**

Product Number: 100-1021-LysC  
100-1021-LysC-P

Brand: Perfinity Biosciences

**1.2 Relevant identified uses of the substance or mixture and uses advised against**  
Identified uses: Laboratory reagents **for research use only****1.3 Details of the supplier of the safety data sheet**

Company: **Perfinity Biosciences, Inc.  
1281 Win Hentschel Blvd.  
West Lafayette, IN 47906 USA**

Telephone: **+1-765-775-1026**  
Fax: **+1-765-775-1020**  
Email: **info@perfinity.com**

**1.4 Emergency telephone number**  
Hazmat Service Emergency Number: **+1-800-373-7542**  
International Hazmat Service Emergency Number: **+1-484-951-2432**

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**SECTION 2: HAZARDS IDENTIFICATION**

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**2.1 Classification of the substance or mixture**

Not a hazardous substance or mixture.

**2.2 GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

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

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

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**3.2 Mixtures**

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

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**SECTION 4: FIRST AID MEASURES**

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**4.1 Description of first aid measures****In case of EYE CONTACT**

Wash off with soap and plenty of water.

**In case of SKIN CONTACT**

Wash off with soap and plenty of water.

**If INHALED**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**If INGESTED**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Rinse mouth with water.

**Notes to physician**

Treat symptomatically.

**General advice**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

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**SECTION 5: FIRE-FIGHTING MEASURES**

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**5.1 Extinguishing Media****Suitable extinguishing media**

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

**5.2 Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

**5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting and protective suit.

**5.4 Further information**

No data available.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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**6.1 Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep upwind. Ventilate the area. Avoid inhalation of vapors, mist, or gas from the spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains. Prevent further leakage or spillage if safe to do so.

**6.3 Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 References to other sections**

For disposal see section 13.

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**SECTION 7: HANDLING AND STORAGE**

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**7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.  
Provide appropriate exhaust ventilation at places where dust is formed.  
For precautions see section 2.2

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 4°C

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**8.1 Control parameters****Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment****Eye/face protection**

Face shield and safety glasses 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 glove's outer surface) 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.

**Body protection**

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

**Control of environmental exposure**

Do not let product enter drains. Do not allow material to contaminate ground water system.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1 Information on basic physical and chemical properties**

a)	Appearance	Form: solid
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)	Vapor Pressure	no data available
l)	Vapor 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

**9.2 Other safety information**

No data available

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**SECTION 10: STABILITY AND REACTIVITY**

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**10.1 Reactivity**

No data available

- 10.2 Chemical stability**  
Stable under recommended storage conditions.
- 10.3 Possibility of hazardous reactions**  
No data available
- 10.4 Conditions to avoid**  
No data available
- 10.5 Incompatible materials**  
Strong oxidizing agents. Heavy metals may form extremely explosive azides.
- 10.6 Hazardous decomposition products**  
Other decomposition products – no data available  
In the event of fire: see section 5

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects****Acute toxicity**

No data available

Inhalation: no data available

Dermal: no data available

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

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.

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.

**Reproductive toxicity**

No data available

No data available

**Specific target organ toxicity – single exposure**

No data available

**Specific target organ toxicity – repeated exposure**

No data available

**Additional Information**

RTECS: Not available

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

Liver – Irregularities – Based on Human Evidence (Trypsin)

Liver – Irregularities – Based on Human Evidence (Sodium azide)

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**SECTION 12: ECOLOGICAL INFORMATION**

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- 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**  
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- 12.6 Other adverse effects**  
No data available

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging**

Dispose of as unused product.

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**SECTION 14: TRANSPORT INFORMATION**

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**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

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**SECTION 15: REGULATORY INFORMATION**

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**SARA 302 Components**

The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS-No.	Revision Date
Sodium azide	26628-22-8	2007-07-01

**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**

Acute Health Hazard  
Chronic Health Hazard

**Massachusetts Right To Know Components**

	CAS-No.	Revision Date
Sodium azide	26628-22-8	2007-07-01

**Pennsylvania Right To Know Components**

	CAS-No.	Revision Date
Sodium azide	26628-22-8	2007-07-01

**New Jersey Right To Know Components**

None

**California Prop. 65 Components**

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

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**SECTION 16: OTHER INFORMATION**

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**Full text of H-statements referred to under sections 2 and 3.****HMIS Rating**

Health hazard: 0

Chronic Health Hazard: \*

Flammability: 0

Physical Hazard: 0

**NFPA Rating**

Health hazard: 0

Fire Hazard: 0

Reactivity Hazard: 0

**Further Information:**

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Perfinity Biosciences, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.