Catalogue code/number: PEN-LQS, PEN-LQS20
Product name: Penase Concentrate (Sterile Liquid)

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIERS
Product Code: PEN-LQS, PEN-LQS20
Product name: Penase Concentrate (Sterile Liquid) (E.C. 3.5.2.6)

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST
Use of the products: laboratory chemicals, manufacture of substances.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Company identification (legal and production site)	CPC BIOTECH s.r.l. Via L. Galvani, 1 20875 Burago di Molgora (MB), Italy
Company identification (production site)	CPC BIOTECH s.r.l. Via L. Galvani, 1 20875 Burago di Molgora (MB), Italy
Telephone number	0039-039-6898029
Fax number	0039-039-6898029
E-mail	info@cpcbiotech.it
Responsible person of the MSDS	Safety department ACS Dobfar

1.4 EMERGENCY TELEPHONE NUMBER

Emergency number - **Italy**	Unique number for emergency: 112

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
Not a hazardous product according to Regulation n.1272/2008.

2.2 LABEL ELEMENTS
Not applicable. Mixture classified as not hazardous according to Regulation n.1272/2008.

2.3 OTHER HAZARDS
Not known.

3. COMPOSITION/INFORMATION ON THE INGREDIENTS

3.1 SUBSTANCES
Synonyms: Penicillin beta-lactamase (EC: 3.5.2.6)
CAS Number: 9073-60-3
EC Number: N.A.

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4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES
Recommended to wear personal protective equipment for first aid.

In case of inhaltation	Provide fresh air
In case of skin contact	Wash with soap and water
In case of eye contact	Wash out eyes with plenty of water
In case of ingestion	Wash out mounth with water. Give to the victim 1 or 3 glasses of water in order to dilute stomach content

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
No additional information available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

5 FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA
The product is not combustible. Use extinguishing systems compatible with the local situation and with the surrounding environment.

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 and protective clothing for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel	Wear suitable protective equipment. Don't breathe the vapors, evacuate the danger area.
For emergency responders	Use protective devices. See section 8.

6.2 ENVIRONMENTAL PRECAUTIONS
Prevent entry to sewers and public waters.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP
Sweep up and dispose properly.

6.4 REFERENCE TO OTHER SECTIONS
For individual protection, refer to section 8. For information about waste, refer to section 13.

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7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Ensure good ventilation of the workstation where dust is formed. Handle in accordance with good industrial hygiene and safety procedures.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. The correct storage refers to intact product in its tightly closed package.
Recommended storage temperature: +2/+8 °C

7.3 SPECIFIC END USE(S)

No additional information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

No additional information available.

8.2 EXPOSURE CONTROLS

Appropriate engineering controls	Wear protective clothing. See section 7.1.
Individual protection measures, such as personal protective equipment	Personal protective equipment must be chosen in accordance with cen standards and with the supplier of personal protective equipment.
Eye protection	Wear compliant safety glasses.
Skin protection	Wear protective gloves. Wear disposable coveralls.
Respiratory protection	Wear disposable mask.
Thermal hazards	Not applicable
Environmental exposure controls	Do not let the product flow into the drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellowish liquid clear solution
Odour	Not available
Odour threshold	Not available
pH	6.5 ± 0.2
Melting point/freezing point	Not available
Boiling point	Not available
Flash point	Not available
Evaporation rate	Not available

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Flammability	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	Not available
Solubility	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 OTHER SAFETY INFORMATION
No additional information available.

10. STABILITY AND REACTIVITY

10.1 REACTIVITY
No data available.

10.2 CHEMICAL STABILITY
The product is stable if store in adequate conditions (see section 7.2).

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
No data available.

10.4 CONDITIONS TO AVOID
The product is stable if store in adequate conditions (see section 7.2).

10.5 INCOMPATIBLE MATERIALS
Strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
In case of fire see section 5.

11. TOXOLOGICAL INFORMATION

11.1 1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity	The product doesn't represent acute toxicity in base of known information.
Skin corrosion/irritation	Not identified.
Respiratory or skin sensitisation	Not identified.
Germ cell mutagenicity	Not identified.
carcinogenicity	Not identified.
Reproductive toxicity	Not identified.
STOT-single exposure	Not identified.

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STOT-repeated exposure	Not identified.
Aspiration hazard	Not identified.

12. ECOLOGICAL INFORMATION

12.1 TOXICITY
No data available.

12.2 PERSISTENCE AND DEGRADABILITY
No data available.

12.3 BIOACCUMULATION 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 OTHER ADVERSE EFFECTS
No data available.

13. DISPOSAL CONSIDERATION

13.1 WASTE TREATMENT METHODS
Do not disperse the product in the environment.
Dispose in a safe manner in accordance with local/national regulations

14. TRANSPORT INFORMATION

14.1 UN NUMBER
Not applicable.

14.2 UN PROPER SHIPPING NAME
Not applicable.

14.3 TRANSPORT HAZARD CLASS(ES)
Not applicable.

14.4 PACKAGING GROUP
Not applicable.

14.5 ENVIRONMENTAL HAZARDS

ADR	Not dangerous goods according to the current regulation.
RID	Not dangerous goods according to the current regulation.
ADN	Not relevant.

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IATA	Not dangerous goods according to the current regulation.
IMDG	Not dangerous goods according to the current regulation.

14.6 SPECIAL PRECAUTIONS FOR USER
Not dangerous goods according to the current regulation.

14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL AND THE IBC CODE
No data available.

15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE
This safety data sheet is in compliant to the Regulation UE 2020/878.

15.2 CHEMICAL SAFETY ASSESSMENT
Chemical safety assessment is not required for this product.

16. OTHER INFORMATION

Revision information	New revision, it replaces the previous ones. Revision carried out for alignment with the regulation.
List of abbreviation	Not available.
References	Listed in the appropriate paragraphs.
Full text of any H phrases not mentioned in full in sections 2 to 5	Not available.

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Disclaimer
The information in this safety data sheet is correct according to our best knowledge of the product at the time of publication. However, all statements, recommendations or suggestions are indicated without any implicit or explicit guarantee or assurance on our part. This information is provided for the sole purpose of allowing the most correct and safe use, storage, transport and disposal of the preparation. This information should not be considered a guarantee or a specification of the quality of the preparation. They refer only to the material specifically indicated and are not valid for the same when used in combination with other materials or in other processes not specifically indicated in the text of the safety data sheet. As a technician, the user should verify the suitability of this information for the specific use of the product and adopt the appropriate safety information