

# SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878 as amended



## TSN Agar

Creation date 19th August 2024

Revision date Version 3.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Substance / mixture  
Number

TSN Agar  
mixture  
TSN20100, TSN20500, TSN25000, TSN210000,  
TSN225000  
8W50-809W-000R-QMHW

UFI

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Mixture's intended use

For microbiological use only.

##### Main intended use

PC-TEC-19 Reagents and laboratory chemicals

##### Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

#### 1.3. Details of the supplier of the safety data sheet

##### Distributor

Name or trade name Biolab Zrt.  
Address Öv utca 43., Budapest, 1141  
Hungary  
Phone +36-1-221-9614  
E-mail SDS@biolab.hu  
Web address www.biolab.hu

##### Manufacturer

Name or trade name Biolab Zrt.  
Address Öv utca 43., Budapest, 1141  
Hungary  
Phone +36-1-221-9614  
E-mail SDS@biolab.hu  
Web address www.biolab.hu

##### Competent person responsible for the safety data sheet

Name Biolab Zrt.  
E-mail SDS@biolab.hu

#### 1.4. Emergency telephone number

European emergency number: 112

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Skin Irrit. 2, H315

Eye Irrit. 2, H319

##### Most serious adverse effects on human health and the environment

Causes skin irritation. Causes serious eye irritation.

#### 2.2. Label elements

##### Hazard pictogram



##### Signal word

Warning

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### Hazard statements

H315 Causes skin irritation.  
H319 Causes serious eye irritation.

### Precautionary statements

P264 Wash hands and exposed parts of the body thoroughly after handling.  
P280 Wear eye protection.  
P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 Specific treatment (see additional first aid instructions on this label).  
P337+P313 If eye irritation persists: Get medical advice/attention.

### Supplemental information

EUH208 Contains Neomycin, sulfate (salt). May produce an allergic reaction.

### 2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Dust may form explosive mixture with air.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

| Identification numbers          | Substance name           | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
|---------------------------------|--------------------------|---------------------|----------------------------------------------------------|------|
| CAS: 7757-83-7<br>EC: 231-821-4 | Sodium sulphite          | 2.5                 | Skin Corr. 1B, H314                                      |      |
| CAS: 1405-10-3<br>EC: 215-773-1 | Neomycin, sulfate (salt) | 0.125               | Skin Sens. 1, H317<br>Resp. Sens. 1, H334                |      |

Full text of all classifications and hazard statements is given in the section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

#### If inhaled

Terminate the exposure immediately; move the affected person to fresh air.

#### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

#### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

#### If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

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### 4.2. Most important symptoms and effects, both acute and delayed

#### If inhaled

Not expected.

#### If on skin

Causes skin irritation.

#### If in eyes

Causes serious eye irritation.

#### If swallowed

Irritation, nausea.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

#### Unsuitable extinguishing media

Water - full jet.

### 5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

### 6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

### 6.3. Methods and material for containment and cleaning up

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

### 6.4. Reference to other sections

See the Section 7, 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Storage temperature

min 15 °C, max 30 °C

### 7.3. Specific end use(s)

A selective and differential medium for the selective isolation of Clostridium perfringens.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The mixture contains no substances for which occupational exposure limits are set.

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### 8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

Protective goggles.

#### Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

#### Respiratory protection

It is not needed.

#### Thermal hazard

Not available.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                          |                     |
|----------------------------------------------------------|---------------------|
| Physical state                                           | solid               |
| Colour                                                   | yellow              |
| Odour                                                    | data not available  |
| Melting point/freezing point                             | data not available  |
| Boiling point or initial boiling point and boiling range | data not available  |
| Flammability                                             | data not available  |
| Lower and upper explosion limit                          | data not available  |
| Flash point                                              | data not available  |
| Auto-ignition temperature                                | data not available  |
| Decomposition temperature                                | data not available  |
| pH                                                       | 6.8-7.2 (undiluted) |
| Kinematic viscosity                                      | data not available  |
| Solubility in water                                      | data not available  |
| Partition coefficient n-octanol/water (log value)        | data not available  |
| Vapour pressure                                          | data not available  |
| Density and/or relative density                          | data not available  |
| Relative vapour density                                  | data not available  |
| Particle characteristics                                 | data not available  |

### 9.2. Other information

not available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Unknown.

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### 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological data is available for the mixture.

#### Acute toxicity

Based on the available data, the criteria for classification of the mixture are not met. Data for the components of the mixture are not available.

| TSN Agar          |           |               |               |         |     |                      |
|-------------------|-----------|---------------|---------------|---------|-----|----------------------|
| Route of exposure | Parameter | Value         | Exposure time | Species | Sex | Value determination  |
| Oral              | ATE       | 1000000 mg/kg |               |         |     | Calculation of value |

#### Skin corrosion/irritation

Causes skin irritation. Data for the components of the mixture are not available.

#### Serious eye damage/irritation

Causes serious eye irritation. Data for the components of the mixture are not available.

#### Respiratory or skin sensitisation

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Carcinogenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

#### Toxicity for specific target organ - repeated exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

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### Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### 11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

### 12.2. Persistence and degradability

No data are available for either the mixture or the components.

### 12.3. Bioaccumulative potential

No data are available for either the mixture or the components.

### 12.4. Mobility in soil

No data are available for either the mixture or the components.

### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 12.7. Other adverse effects

Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

## SECTION 14: Transport information

### 14.1. UN number or ID number

not subject to transport regulations

### 14.2. UN proper shipping name

not relevant

### 14.3. Transport hazard class(es)

not relevant

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

not relevant

### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

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### 14.7. Maritime transport in bulk according to IMO instruments

not relevant

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

### 15.2. Chemical safety assessment

not available

## SECTION 16: Other information

### A list of standard risk phrases used in the safety data sheet

|        |                                                                            |
|--------|----------------------------------------------------------------------------|
| EUH208 | Contains Neomycin, sulfate (salt). May produce an allergic reaction.       |
| H314   | Causes severe skin burns and eye damage.                                   |
| 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. |

### Guidelines for safe handling used in the safety data sheet

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P264           | Wash hands and exposed parts of the body thoroughly after handling.                                                              |
| P280           | Wear eye protection.                                                                                                             |
| P302+P352      | IF ON SKIN: Wash with plenty of water and soap.                                                                                  |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P321           | Specific treatment (see additional first aid instructions on this label).                                                        |
| P337+P313      | If eye irritation persists: Get medical advice/attention.                                                                        |

### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

### Key to abbreviations and acronyms used in the safety data sheet

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| ADR        | European agreement concerning the international carriage of dangerous goods by road               |
| BCF        | Bioconcentration Factor                                                                           |
| CAS        | Chemical Abstracts Service                                                                        |
| CLP        | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC         | Identification code for each substance listed in EINECS                                           |
| EINECS     | European Inventory of Existing Commercial Chemical Substances                                     |
| EmS        | Emergency plan                                                                                    |
| EU         | European Union                                                                                    |
| EuPCS      | European Product Categorisation System                                                            |
| Eye Irrit. | Eye irritation                                                                                    |
| IATA       | International Air Transport Association                                                           |
| IBC        | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals       |

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|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| ICAO                | International Civil Aviation Organization                                                         |
| IMDG                | International Maritime Dangerous Goods                                                            |
| IMO                 | International Maritime Organization                                                               |
| INCI                | International Nomenclature of Cosmetic Ingredients                                                |
| ISO                 | International Organization for Standardization                                                    |
| IUPAC               | International Union of Pure and Applied Chemistry                                                 |
| log K <sub>ow</sub> | Octanol-water partition coefficient                                                               |
| OEL                 | Occupational Exposure Limits                                                                      |
| PBT                 | Persistent, bioaccumulative and toxic                                                             |
| ppm                 | Parts per million                                                                                 |
| REACH               | Registration, Evaluation, Authorisation and Restriction of Chemicals                              |
| Resp. Sens.         | Respiratory sensitization                                                                         |
| RID                 | Agreement on the transport of dangerous goods by rail                                             |
| Skin Corr.          | Skin corrosion                                                                                    |
| Skin Irrit.         | Skin irritation                                                                                   |
| Skin Sens.          | Skin sensitization                                                                                |
| UN                  | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB                | Substances of unknown or variable composition, complex reaction products or biological materials  |
| VOC                 | Volatile organic compounds                                                                        |
| vPvB                | Very persistent and very bioaccumulative                                                          |

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### The changes (which information has been added, deleted or modified)

Version 3.0 replaces safety sheet 2.0 on 26/04/2018

### More information

Classification procedure - calculation method.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.

## Information about non-hazardous mixture

**Product name:** TSN Agar, prepared media

**Product code(s):** TSN30100, TSN30250, TSN30500, TSN40010

**Product type:** mixture

**Physicochemical properties:**

- Colour: prepared media: Yellowish

- pH: prepared media: 6,9-7,1

**Manufacturer:**

- Name: Biolab Zrt.
- Address: Öv street 43., 1141 Budapest, Hungary
- Telephone: +36-1-221-96-14
- e-mail: [SDS@biolab.hu](mailto:SDS@biolab.hu)
- Website: [www.biolab.hu](http://www.biolab.hu)

**Emergency telephone number:**

Health Toxicological Information Service (ETTSz), Postal address: 1097 Budapest, Albert Flórián út 2-6., Hungary, Tel. +36-80-201-199 (free, day and night) +36-1-476-6464 (day and night).

**Classification of the substance or mixture:**

Not a hazardous substance or mixture according to Regulation (EU) No 2020/878. This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

This certificate was issued electronically and is valid without signature.