



Material Safety Data Sheet

according to guide line (EG) No. 1907/2006 (amended by guide line (EG) No. 453/201)

Orange Serum-Agar pH 3.4

Version: 2

Date of Issue: 2022-05-04

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

1.1. Product identifier

Product name: Orange Serum-Agar pH 3.4 with tartaric acid 10%

Item number: 4097

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

Nutrient media for the microbiological quality control of water, beverages and food stuffs.

Not for medical and IVD applications.

1.3. Details of the supplier of the Material Safety Data Sheet

Company: Dr. Möller & Schmelz GmbH

Robert-Bosch-Breite 15

37079 Göttingen

Germany

Tel.: +49 (0)551 66708

Contact person: Mr. Michael Sawatzki

info@moeller-schmelz.de

1.4. Emergency phone number

Poison control center, Germany: Tel.: +49 (0)551 19240

Local poison control center: see at <http://apps.who.int/poisoncentres/>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This mixture is not classified as dangerous according to European Union legislation

2.2. Label elements

No

2.3. Other hazards

Not known

SECTION 3: Composition / information of ingredients

3.1. Substances

Not applicable

3.2. Mixture

Chemical characterization: Jelly-like ready-to-use medium + addition of tartaric acid 10%

Dangerous components: No dangerous components in ready-to-use medium



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SECTION 4: First-aid measures

4.1. Description of the first-aid measures

| | |
|---------------------|--|
| General advice: | No special measures necessary |
| After inhalation: | Fresh air |
| After skin contact: | Wash off with plenty of water |
| After eye contact: | Rinse out with plenty of water |
| After swallowing: | Wash out mouth and drink water, consult doctor if feeling Unwell |

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

None known

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

None known

SECTION 5: Firefighting measures

5.1. Extinguishing media

Water, foam, dry powder, carbon dioxide (CO₂)

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters

No special measures required

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No special measures required

6.2. Environmental precautions

No special measures required

6.3. Methods and materials for containment and cleaning up

No special measures required

6.4. Reference to other sections

None

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Loose the cap during liquefying the agar.



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7.2. Conditions for safe storage, including any incompatibilities

Store dark and dry at + 4 °C to + 12 °C

7.3. Specific end uses

Liquefy bottle content in a water bath at 90 – 95 °C. After cooling down to approx. 50 °C, pour the liquid agar into sterile Petri dishes.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

None

8.2. Exposure controls

| | |
|-------------------------|---|
| General measures: | Follow the usual procedures for handling chemicals. |
| Hygiene measures: | Wash hands after working with the mixture |
| Respiratory protection: | Not necessary |
| Hand protection: | Not necessary |
| Eye protection: | Safety glasses |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|---------------------------------|
| Form: | Jelly-like |
| Color: | Light brown + colorless |
| Odor: | Peptone-like, fruity + odorless |
| pH: | 3.4 ± 0.2 |
| Melting point: | 90 °C |
| Boiling point: | 100 °C |
| Flash point: | No information available |
| Evaporation rate: | No information available |
| Flammability: | No information available |
| Explosion limit: | No information available |
| Vapor pressure: | No information available |
| Vapor density: | No information available |
| Relative density: | No information available |
| Water solubility: | No information available |
| Partition coefficient n-octanol / water | No information available |



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| | |
|----------------------------|--------------------------|
| Autoignition temperature: | No information available |
| Decomposition temperature: | No information available |
| Viscosity: | No information available |
| Explosive properties: | No information available |
| Oxidizing properties: | No information available |

9.2. Other data

None

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available

10.2. Chemical stability

No information available

10.3. Possibility of hazardous reactions

No information available

10.4. Conditions to avoid

No information available

10.5. Incompatible materials

No information available

10.6. Hazardous decompositions products

No information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No information available

SECTION 12: Ecological information

12.1. Toxicity

No information available

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil



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No information available

12.5. Result of PBT and vPvB assessment

No information available

12.6. Other adverse effect

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product: Used products shall be sterilized and are then to be treated according to the regulations of the local authorities.

Package: Empty packages can be delivered to the municipal waste treatment.

SECTION 14: Transport classification

Not classified as dangerous in the meaning of transport regulations

SECTION 15: Regulatory information

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

EU 453/2010

EU 1272/2008

WGK Classification Water endangering class WGK = 1

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

National and local guidelines are to be followed.

The information provided in the material safety data sheet is based on our present state of our best knowledge and is to characterize our product regarding appropriate precautions. We shall not be held liable for the sufficiency, correctness, absence of errors and appropriateness of this information and its use. The assessment for suitability of the product for a certain application is solely in the responsibility of the end-user. We do not accept liability for any damage resulting from handling or from contact with the above product.

The above information is subject to modifications and amendments, i.e. caused by changes of legal regulations.