

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

O047 Agar Agar

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Revised edition: 01.06.2020

Version: 1

Printed: 09.06.2020

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Agar Agar

Article No.: O047

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Culture medium for bacterial cultures

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Interlabshop BV

Address: Lage Brink 23, 7317BD Apeldoorn The Netherlands

Tel./Fax.: +31(0)55-5215016

Internet: www.labshop.nl

EMail: labshop@labshop.nl

Importer:

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1.4. Emergency No.

Emergency No.: 112 (24 hours a day)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

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3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Agar

CAS-Nr: 9002-18-0

EINECS-Nr: 232-658-1

EC-Nr:

Additional information:

Exempted from the mandatory REACH Registration (Article 2).

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

No special measures required.

After inhalation:

Supply fresh air.

After skin contact:

Wash off with water.

After eye contact:

Remove contact lens.

Rinse open eye for several minutes under running water.

After ingestion:

Rinse mouth with water and drink plenty of water.

If symptoms persist, call a physician.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Large intake: diarrhea

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

No information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Combustible.

Formation of hazardous combustion gases or vapors possible in

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*the event of fire.***5.3. Advice for Firefighters***Protective equipment:**Wear self-contained respiratory protective device.**Further information:*

6. Accidental Release Measures**6.1. Personal Precautions, Protective Equipment and Emergency Procedures***Personal precautions:**Do not inhale dust.***6.2. Environmental Precautions***Environmental precautions:**No special measures required.***6.3. Methods and Material for Containment and Cleaning Up***Methods and material:**Take up mechanically and collect in suitable container for disposal.
Rinse spill area. Avoid dust formation.***6.4. Reference to other Sections***See Section 13 for information on disposal.*

7. Handling and Storage**7.1. Precautions for Safe Handling***Instructions on safe handling:**No special measures required.**Hygienic measures:**Wash hands before breaks and after work.***7.2. Conditions for Safe Storage, including any Incompatibilities***Storage conditions:**Store in tightly sealed containers in a dry room.**Requirements for storage areas and containers:**No special measures necessary.**Information on fire and explosion protection:**No special measures necessary.**Storage class:**10-13 (TRSG 510)**Further Information:***7.3. Specific End Use(s)***Further information:*

8. Exposure Controls/Personal Protection**8.1. Parameters to be Controlled**

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Parameters to be controlled (DE):

Does not contain any components with workplace limit values.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

Personal Protection

General protective measures:

Avoid contact with skin, eyes and clothing.

Respiratory protection:

Dust mask recommended when very dusty (with particle filter P1).

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Nitrile rubber (> 480 min, 0.11 mm).

Eye protection:

Safety glasses (EN 166)

Body protection:

No special protection required.

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: solid

Color: beige

Odor: odorless

Odor threshold: not relevant

pH-Value: 6.8 (100 g/l, 20°C)

Melting temperature: 90°C

Boiling temperature: not available

Flash point: not available

Evaporation rate:

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No information available.

Flammability (solid, gas):

not available

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not applicable

Vapor density:

No information available.

Density:

not available

Solubility in water:

20 g/l (60°C)

*Coefficient of variation (n-
Octanol/Water):*

no information available

Auto-ignition temperature:

No information available.

Decomposition temperature:

No data available.

Viscosity, dynamic:

not applicable

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

none

Bulk density:

ca. 550 kg/m³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

No decomposition if used according to specifications.

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10.2. Chemical Stability

Stable at room temperature.

10.3. Possibility of Hazardous Reactions

None if handled and stored according to specifications.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid humidity.

Thermal decomposition:

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

None known.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: 11000 mg/kg (rat)

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

No information available

Irritant effect on eyes:

No information available.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No relevant data found.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No relevant data found.

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Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

12. Ecological Information

12.1. Aquatic Toxicity

No toxicity expected.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

PBT/vPvB assessment not available as chemical safety assessment is not required / not conducted.

12.6. Other Adverse Effects

Water hazard class:

Not hazardous.

Behaviour in sewage systems:

Further ecological effects:

When used properly, no ecological problems expected.

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated packaging may be recycled.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

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No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

Not classified as environmentally hazardous.

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

0, not hazardous (German Regulation; Self-assessment)

Local regulations on chemical accidents:

Seveso III: does not apply

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this

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product.

EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern above the legal limit value (> 0.1 % (w/w) REACH Regulation (EC) 1907/2006, Article 57).

15. 3. Further Information

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.