

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

1.1. Product identifier

Product form : Mixture
Trade name : Palcam Agar Base
Product code : NCM0111
Type of product : Food Safety -- [Food Safety]
Part Number(s) : NCM0111|400000811|700003280|700003281

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

Relevant identified uses

Use of the substance/mixture : Laboratory chemicals
Scientific research and development

1.3. Details of the supplier of the safety data sheet

Manufacturer

Neogen Corporation
620 Leshar Place
48912 Lansing, Michigan
United States of America
T 800.234.5333
sds@neogen.com, <https://www.neogen.com/>

1.4. Emergency telephone number

Emergency number : 24 hours:
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315
Serious eye damage/eye irritation, Category 2 H319
Specific target organ toxicity – Repeated exposure, Category 2 H373
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

May cause damage to organs through prolonged or repeated exposure. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS08

Signal word (CLP) :

Warning

Contains :

Lithium chloride

Hazard statements (CLP) :

H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP) :

P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing

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protection.

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

| Component | |
|---|---|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | Lithium chloride (7447-41-8), Sodium chloride (7647-14-5), Ferric ammonium citrate (1185-57-5), Sodium carbonate (497-19-8) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Lithium chloride (7447-41-8), Sodium chloride (7647-14-5), Ferric ammonium citrate (1185-57-5), Sodium carbonate (497-19-8) |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|--|------------------|--|
| Lithium chloride | CAS-No.: 7447-41-8 EC-No.: 231-212-3 | $\geq 15 - < 25$ | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT RE 2, H373 |
| Sodium chloride substance with national workplace exposure limit(s) (LT, LV) | CAS-No.: 7647-14-5 EC-No.: 231-598-3 | $\geq 5 - < 10$ | Not classified |
| Starch, soluble (potato) substance with national workplace exposure limit(s) (BE, CZ, ES, FR, GB, GR, IE, PT, CH) | CAS-No.: 9005-25-8 EC-No.: 232-679-6 | $\geq 1 - < 5$ | Not classified |
| Sodium carbonate substance with national workplace exposure limit(s) (RO) | CAS-No.: 497-19-8 EC-No.: 207-838-8 EC Index-No.: 011-005-00-2 | $\geq 0.5 - < 1$ | Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2, H319 |
| Ferric ammonium citrate substance with national workplace exposure limit(s) (BE, GB) | CAS-No.: 1185-57-5 EC-No.: 214-686-6 | $\geq 0.5 - < 1$ | Not classified |

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Get medical advice/attention if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |

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First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.
Self protection of the first-aider : First aid workers will be equipped with suitable personal protective equipment.

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

Symptoms/effects after inhalation : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure.
Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.
Symptoms/effects after ingestion : None under normal conditions.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Using a clean shovel, put the material in a dry container and cover without compressing it.
Methods for cleaning up : Mechanically recover the product.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : Keep cool. Protect from sunlight.
- Storage temperature : 2 – 30 °C
- Packaging materials : Store always product in container of same material as original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

| Starch, soluble (potato) (9005-25-8) | |
|--|--|
| Ireland - Occupational Exposure Limits | |
| Local name | Starch |
| OEL TWA | 10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust |
| Remark | Advisory OELV (Advisory Occupational Exposure Limit Values) |
| Regulatory reference | Chemical Agents Code of Practice 2024 |

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Safety glasses

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

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Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------|
| Physical state | : Solid |
| Colour | : Beige. |
| Appearance | : Powder. |
| Odour | : Characteristic. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not applicable |
| Boiling point | : Not available |
| Flammability | : Non flammable. |
| Lower explosion limit | : Not applicable |
| Upper explosion limit | : Not applicable |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : Not available |
| pH | : 7 – 7.4 |
| pH solution | : Not available |
| Viscosity, kinematic | : Not applicable |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : Not available |
| Relative vapour density at 20°C | : Not applicable |
| Particle size | : Not available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Lithium chloride (7447-41-8)

| | |
|-----------------------|--|
| LD50 oral rat | 526 mg/kg (Rat, Male, Experimental value, Oral) |
| LD50 oral | 526 mg/kg |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| LD50 dermal rabbit | 1488 mg/kg Source: Corporate Solution From Thomson Micromedex |
| LC50 Inhalation - Rat | > 5.57 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol)) |

Sodium chloride (7647-14-5)

| | |
|-----------------------------------|---|
| LD50 oral rat | > 3980 mg/kg bodyweight (Rat, Experimental value, 20 % aqueous solution, Oral) |
| LD50 dermal rabbit | > 10000 mg/kg (Rabbit, Experimental value, Dermal) |
| LC50 Inhalation - Rat | > 42 mg/l air (1 h, Rat, Male, Experimental value, 20 % aqueous solution, Inhalation (aerosol)) |
| LC50 Inhalation - Rat (Dust/Mist) | > 10.5 mg/l Source: Corporate Solution From Thomson Micromedex |

Starch, soluble (potato) (9005-25-8)

| | |
|---------------|--|
| LD50 oral rat | > 2000 mg/kg (Rat, Literature study, Oral) |
|---------------|--|

Ferric ammonium citrate (1185-57-5)

| | |
|--------------------|---|
| LD50 oral rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: other: |
| LD50 dermal rabbit | > 7940 mg/kg Source: ECHA |

Sodium carbonate (497-19-8)

| | |
|-----------------------------------|--|
| LD50 oral rat | 2800 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 oral | 2800 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg (16 CFR 1500.40, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) |
| LD50 dermal | 2500 mg/kg |
| LC50 Inhalation - Rat (Dust/Mist) | 1.2 mg/l/4h |

Skin corrosion/irritation : Causes skin irritation.
pH: 7 – 7.4

Lithium chloride (7447-41-8)

| | |
|----|---|
| pH | 7 (57 %, 20 °C, OECD 105: Water Solubility) |
|----|---|

Sodium chloride (7647-14-5)

| | |
|----|-------------|
| pH | 7.5 (18 °C) |
|----|-------------|

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| | |
|---|---|
| Starch, soluble (potato) (9005-25-8) | |
| pH | 6 – 7.5 (2 %) |
| Ferric ammonium citrate (1185-57-5) | |
| pH | 6 – 8 Source: ECHA |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 7 – 7.4 |
| Lithium chloride (7447-41-8) | |
| pH | 7 (57 %, 20 °C, OECD 105: Water Solubility) |
| Sodium chloride (7647-14-5) | |
| pH | 7.5 (18 °C) |
| Starch, soluble (potato) (9005-25-8) | |
| pH | 6 – 7.5 (2 %) |
| Ferric ammonium citrate (1185-57-5) | |
| pH | 6 – 8 Source: ECHA |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met) |
| Germ cell mutagenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Carcinogenicity | : Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity | : Not classified (Based on available data, the classification criteria are not met) |
| Ferric ammonium citrate (1185-57-5) | |
| NOAEL (animal/male, F0/P) | 595.9 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: other: |
| STOT-single exposure | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-repeated exposure | : May cause damage to organs through prolonged or repeated exposure. |
| Lithium chloride (7447-41-8) | |
| NOAEL (oral, rat, 90 days) | 84.8 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 452 (Chronic Toxicity Studies) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | : Not classified (Based on available data, the classification criteria are not met) |
| Palcam Agar Base | |
| Viscosity, kinematic | Not applicable |
| Lithium chloride (7447-41-8) | |
| Viscosity, kinematic | Not applicable (solid) |
| Sodium chloride (7647-14-5) | |
| Viscosity, kinematic | Not applicable (solid) |
| Starch, soluble (potato) (9005-25-8) | |
| Viscosity, kinematic | Not applicable (solid) |
| Sodium carbonate (497-19-8) | |
| Viscosity, kinematic | Not applicable (solid) |

11.2. Information on other hazards

No additional information available

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SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified (Based on available data, the classification criteria are not met) |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met) |

| Lithium chloride (7447-41-8) | |
|------------------------------|---|
| LC50 - Fish [1] | 158 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 249 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 72h - Algae [1] | > 400 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| EC50 72h - Algae [2] | 112 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| ErC50 algae | > 400 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration) |
| LOEC (chronic) | 2.53 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 1.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | 17.35 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d' |
| NOEC chronic algae | 25 mg/l |

| Sodium chloride (7647-14-5) | |
|-----------------------------|---|
| LC50 - Fish [1] | 5840 mg/l (ASTM, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Lethal) |
| LOEC (chronic) | 441 mg/l Test organisms (species): Daphnia pulex Duration: '21 d' |
| NOEC (chronic) | 314 mg/l Test organisms (species): Daphnia pulex Duration: '21 d' |

| Ferric ammonium citrate (1185-57-5) | |
|-------------------------------------|---|
| LC50 - Fish [1] | > 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Static system, Fresh water, Experimental value) |
| LC50 - Fish [2] | > 100 mg/l Test organisms (species): other: |
| EC50 - Crustacea [1] | 275 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value) |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): other: |
| ErC50 algae | > 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Static system, Fresh water, Experimental value) |

| Sodium carbonate (497-19-8) | |
|-----------------------------|--|
| LC50 - Fish [1] | 300 mg/l (96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 200 – 227 mg/l (48 h, Ceriodaphnia sp., Semi-static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 - Crustacea [2] | 200 – 227 mg/l Test organisms (species): Ceriodaphnia sp. |
| EC50 96h - Algae [1] | 242 mg/l Source: ECOTOX |

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12.2. Persistence and degradability

| Palcam Agar Base | |
|--------------------------------------|---|
| Persistence and degradability | Not rapidly degradable |
| Lithium chloride (7447-41-8) | |
| Persistence and degradability | Biodegradability in soil: not applicable, Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |
| Sodium chloride (7647-14-5) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |
| Starch, soluble (potato) (9005-25-8) | |
| Persistence and degradability | Readily biodegradable in water. |
| ThOD | 1.18 g O ₂ /g substance |
| Ferric ammonium citrate (1185-57-5) | |
| Persistence and degradability | Readily biodegradable in water. |
| Sodium carbonate (497-19-8) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |

12.3. Bioaccumulative potential

| Lithium chloride (7447-41-8) | |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | -0.46 (Estimated value, KOWWIN, 20 °C) |
| Bioaccumulative potential | Not bioaccumulative. |
| Sodium chloride (7647-14-5) | |
| Bioaccumulative potential | Not bioaccumulative. |
| Starch, soluble (potato) (9005-25-8) | |
| Bioaccumulative potential | No bioaccumulation data available. |
| Ferric ammonium citrate (1185-57-5) | |
| Partition coefficient n-octanol/water (Log Pow) | -0.737 (Calculated, 25 °C) |
| Bioaccumulative potential | Not bioaccumulative. |
| Sodium carbonate (497-19-8) | |
| Partition coefficient n-octanol/water (Log Pow) | -6.19 Source: Quantitative Structure Activity Relation |
| Bioaccumulative potential | Not bioaccumulative. |

12.4. Mobility in soil

| Lithium chloride (7447-41-8) | |
|------------------------------|--|
| Surface tension | No data available (test not performed) |

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| Lithium chloride (7447-41-8) | |
|--------------------------------------|---|
| Ecology - soil | Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. |
| Sodium chloride (7647-14-5) | |
| Surface tension | 73.03 mN/m (23 °C, 14.5 g/l) |
| Ecology - soil | No (test)data on mobility of the substance available. |
| Starch, soluble (potato) (9005-25-8) | |
| Ecology - soil | No (test)data on mobility of the substance available. |
| Ferric ammonium citrate (1185-57-5) | |
| Ecology - soil | No (test)data on mobility of the substance available. |
| Sodium carbonate (497-19-8) | |
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for adsorption in soil. |

12.5. Results of PBT and vPvB assessment

| Component | |
|---|---|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | Lithium chloride (7447-41-8), Sodium chloride (7647-14-5), Ferric ammonium citrate (1185-57-5), Sodium carbonate (497-19-8) |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | Lithium chloride (7447-41-8), Sodium chloride (7647-14-5), Ferric ammonium citrate (1185-57-5), Sodium carbonate (497-19-8) |

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Regional waste regulation | : Disposal must be done according to official regulations. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Comply with applicable regulations for solid waste disposal. Disposal must be done according to official regulations. |
| Additional information | : Do not re-use empty containers. |
| HP Code | : HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration. |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|-------------------------------------|------|------|-----|-----|
| 14.1. UN number or ID number | | | | |
| Not regulated for transport | | | | |

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| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

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Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

National regulations

France

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|---------|---|
| ACGIH | American Conference of Government Industrial Hygienists |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| CAS-No. | Chemical Abstract Service number |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| COD | Chemical oxygen demand (COD) |
| CSA | Chemical safety assessment |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| ED | Endocrine disruptor |
| EN | European Standard |
| EWC | European waste catalogue |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| Log Kow | Partition coefficient n-octanol/water (Log Kow) |
| Log Pow | Partition coefficient n-octanol/water (Log Pow) |
| MAK | maximum workplace concentration |
| NOAEC | No-Observed Adverse Effect Concentration |

Palcam Agar Base

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Abbreviations and acronyms: | |
|-----------------------------|--|
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| N.O.S. | Not Otherwise Specified |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| OSHA | Occupational Safety Health Administration |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| PPE | Personal protection equipment |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| TF | Technical function |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| TWA | Time Weighted Average |
| VOC | Volatile Organic Compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| UFI | Unique Formula Identifier |

| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.