

SAFETY DATA SHEET

According to Regulation 1907/2006/CE

Doc. N° 401552 rev.4
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product name : **Kanamycin Aesculin Azide Agar Base**
Product Number : **401552**

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

Identified uses : Powdered culture medium for microbiology

1.3 Details of the supplier of the safety data sheet

Company : Biolife Italiana S.r.l.
Viale Monza 272, 20128 Milano Italia
Tel : 0039 02 252091
Fax: 0039 02 2576428
E-mail: mktg@biolifeitaliana.it

1.4 Emergency telephone number

Emergency Phone : 0039 02-6610-1029 (Centro Antiveleni Niguarda Ca'
Granda- Milano)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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

Pictogram none
Signal word none
Hazard statement(s) none
Precautionary statement(s) none
Supplemental Hazard
Statements EUH032: contact with acids liberates very toxic gas.
Caution - this mixture contains a substance not yet fully tested.

2.3 Other hazards

none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

| Component | Classification | Concentration | |
|---------------------|----------------|--------------------------------|---------------|
| Sodium azide | | | |
| CAS-No | 26628-22-8 | Acute Tox. 2; Aquatic Acute 1; | 0.25 – 0.45 % |
| CE-No | 247-852-1 | Aquatic Chronic 1; H300, | |
| INDICE-No | 011-004-00-7 | H410, EUH032 | |

For the full text of the H-Statements mentioned in this Section, see Section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.

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| | |
|--------------------------------|--|
| If inhaled | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| In case of skin contact | Wash off with soap and plenty of water. Consult a physician. |
| In case of eye contact | Flush eyes with water as a precaution. |
| If swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. |

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

4.3 Indication of any immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides, nitrogen oxides (NO_x), Hydrogen chloride gas, Sodium oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

no data available

6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in cool place.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

| Component | CAS-No | Value | Control parameters | Base |
|--------------|-------------|--|-----------------------|--|
| Sodium azide | 26628-22-8 | TWA | 0,1 mg/m ³ | Indicative occupational exposure limit values to chemical agents |
| | Observation | The 'Skin' notation attributed to the exposure limit values indicates the possibility of significant uptake through the skin | | |
| | | STEL | 0,3 mg/m ³ | Indicative occupational exposure limit values to chemical agents |
| | | The 'Skin' notation attributed to the exposure limit values indicates the possibility of significant uptake through the skin | | |
| | | TWA | 0,1 mg/m ³ | Directive 2000/39/EC Commission; first list of indicative limit values |
| | | Indicates the possibility of significant uptake through the skin. Indicative. | | |
| | | STEL | 0,3 mg/m ³ | Directive 2000/39/EC Commission; first list of indicative limit values |
| | | Indicates the possibility of significant uptake through the skin. Indicative. | | |

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

| | |
|---|--------------------|
| a) Appearance | Form: powder |
| b) Odour | no data available |
| c) Odour Threshold | no data available |
| d) pH | 6.9 – 7.3 at 25 °C |
| e) Melting point/freezing point | |
| Melting point/range: | no data available |
| f) Initial boiling point and boiling range | no data available |
| g) Flash point | no data available |
| h) Evaporation rate | no data available |
| i) Flammability (solid, gas) | no data available |
| j) Upper/lower flammability or explosive limits | no data available |
| k) Vapour pressure | no data available |
| l) Vapour density | no data available |
| m) Relative density | no data available |
| n) Water solubility | no data available |
| o) Partition coefficient: noctanol/water | no data available |
| p) Auto-ignition temperature | no data available |
| q) Decomposition temperature | no data available |
| r) Viscosity | no data available |
| s) Explosive properties | no data available |
| t) Oxidizing properties | no data available |

9.2 Other safety information no data available

10. STABILITY AND REACTIVITY

| | |
|--|---|
| 10.1 Reactivity | no data available |
| 10.2 Chemical stability | no data available |
| 10.3 Possibility of hazardous reactions | no data available |
| 10.4 Conditions to avoid | no data available |
| 10.5 Incompatible materials | Heavy metals may form extremely explosive azides. |
| 10.6 Hazardous decomposition products | no data available |

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

| | |
|--|-------------------|
| Acute toxicity | no data available |
| Skin corrosion/irritation | no data available |
| Serious eye damage/eye irritation | no data available |
| Respiratory or skin sensitisation | no data available |

| | |
|---|---|
| Germ cell mutagenicity | no data available |
| Carcinogenicity | IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| Reproductive toxicity | no data available |
| Specific target organ toxicity - single exposure | no data available |
| Specific target organ toxicity - repeated exposure | no data available |
| Aspiration hazard | no data available |
| Potential health effects | |
| Inhalation | May be harmful if inhaled. Causes respiratory tract irritation. |
| Ingestion | Harmful if swallowed. |
| Skin | May be harmful if absorbed through skin. Causes skin irritation. |
| Eyes | May cause eye irritation. |
| Signs and Symptoms of Exposure | To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. |
| Additional Information | RTECS: no data available |

12. ECOLOGICAL INFORMATION

| | |
|--|---|
| 12.1 Toxicity | no data available |
| 12.2 Persistence and degradability | no data available |
| 12.3 Bioaccumulative 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 | Very toxic to aquatic life with long lasting effects. |

13. DISPOSAL CONSIDERATIONS

| | |
|-------------------------------------|--|
| 13.1 Waste treatment methods | |
| Product | Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. |
| Contaminated packaging | Dispose of as unused product. |

14. TRANSPORT INFORMATION

| | |
|--|--|
| 14.1 UN number | ADR/RID: - IMDG: - IATA: - |
| 14.2 UN proper shipping name | ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods |
| 14.3 Transport hazard class(es) | ADR/RID: - IMDG: - IATA: - |
| 14.4 Packaging group | ADR/RID: - IMDG: - IATA: - |
| 14.5 Environmental hazards | ADR/RID: no IMDG Marine pollutant: no IATA: no |
| 14.6 Special precautions for user | no data available |

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

| | |
|--|-------------------|
| 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture | no data available |
| 15.2 Chemical Safety Assessment | no data available |

16. OTHER INFORMATION

| | |
|-----------------|---|
| Acute Tox. | Acute toxicity |
| Aquatic Acute | Acute aquatic toxicity |
| Aquatic Chronic | Chronic aquatic toxicity |
| EUH032 | Contact with acids liberates very toxic gas. |
| H300 | Fatal if swallowed. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Further information

Restrictions for use No data available

Training advice No data available

References No data available

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