

SAFETY DATA SHEET



Revision date: 10.12.2020
Revision 1.2
according to 2015/830/EC

Safety data sheet 16S Microbiome NGS Assay

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name: 16S Microbiome NGS Assay
Catalogue Number: 9-131, 9-132, 9-133
REACH Reg. number: -----

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

Identified uses: Laboratory chemicals

1.3. Details of supplier of the safety data sheet

Manufacturer: ViennaLab Diagnostics GmbH
Gaudenzdorfer Guertel 43-45
A-1120 Vienna, Austria
tel: +43-1-8120156 0
fax: +43-1-8120156 19
email: info@viennalab.com

1.4 Emergency telephone number

Call your local emergency center.

Section 2. Hazards identification

2.1 Classification of the substance or mixture

16S Mastermix (2x)

This mixture is classified as not hazardous or does not meet the criteria for classification according to the 1272/2008/EC.

Magnetic Beads

This mixture is classified as not hazardous or does not meet the criteria for classification according to the 1272/2008/EC.

Other components

These mixtures are classified as not hazardous or do not meet the criteria for classification according to the 1272/2008/EC.

2.2 Label elements according to Regulation (EC) No 1272/2008

16S Mastermix (2x)

Hazard pictograms and signal word

This mixture is not subject to labeling according to the calculation methods of the regulation 1272/2008/EC.

Magnetic Beads

Hazard pictograms and signal word

This mixture is not subject to labeling according to the calculation methods of the regulation 1272/2008/EC.

Other components

Hazard pictograms and signal word

This mixture is not subject to labeling according to the calculation methods of the regulation 1272/2008/EC.

2.3 Other hazards

16S Mastermix (2x)

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.

Magnetic Beads

Possible hazards from physicochemical properties:

Sodium azide forms explosive compounds with heavy metals. This product contains concentrations of azide <0.1% (w/w) which with repeated contact with lead and copper commonly found in plumbing drains may result in buildup of shock sensitive compounds.

Some hazards associated with individual components of this mixture are not relevant because the substances are present in concentrations below the GHS cut-off levels, change of physical state or because the mixture/ solution is buffered to pH 4-9 (see GHS Directive 1272/2008/EC Annex I, chapter 3.2.3.1.2.).

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.

Other components

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.

Section 3. Composition/information on ingredients

3.1 Mixtures

16S Mastermix (2x)

The ingredients of the 16S Mastermix (2x) are not dangerous or their concentrations do not exceed the limits specified in the regulation 1272/2008/EC.

Magnetic Beads

The ingredients of the Magnetic Beads are not dangerous or their concentrations do not exceed the limits specified in the regulation 1272/2008/EC.

Other components

The ingredients of the other components of the 16S Microbiome NGS Assay are not dangerous or their concentrations do not exceed the limits specified in the regulation 1272/2008/EC.

Section 4. First aid measures

4.1 Description of first aid measures

16S Mastermix (2x)

General information: No special measures required. If unwell, consult a physician. Show this safety data sheet to the medical professional in attendance.

Following inhalation: Provide fresh air. If unwell, consult a physician. Show this safety data sheet to the medical professional in attendance.

Following skin contact: Generally, the product does not irritate the skin.

Following eye contact: Remove contact lenses. Flush immediately with plenty of flowing water for 15 minutes holding eyelids apart, protecting the uninjured eye. If necessary, consult a physician.

Following ingestion: Rinse mouth immediately and drink plenty of water (200-300 mL) in little sips (dilution effect). Avoid vomiting. Consult a physician.

SAFETY DATA SHEET



Revision date: 10.12.2020
Revision 1.2
according to 2015/830/EC

Safety data sheet 16S Microbiome NGS Assay

Magnetic Beads

General information: No special measures required. If unwell, consult a physician. Show this safety data sheet to the medical professional in attendance.

Following inhalation: Provide fresh air. If unwell, consult a physician. Show this safety data sheet to the medical professional in attendance.

Following skin contact: Generally, the product does not irritate the skin.

Following eye contact: Remove contact lenses. Flush immediately with plenty of flowing water for 15 minutes holding eyelids apart, protecting the uninjured eye. If necessary, consult a physician.

Following ingestion: Rinse mouth immediately and drink plenty of water (200-300 mL) in little sips (dilution effect). Avoid vomiting. Consult a physician.

Other components

General information: No special measures required. If unwell, consult a physician. Show this safety data sheet to the medical professional in attendance.

Following inhalation: Provide fresh air. If unwell, consult a physician. Show this safety data sheet to the medical professional in attendance.

Following skin contact: Generally, the product does not irritate the skin.

Following eye contact: Remove contact lenses. Flush immediately with plenty of flowing water for 15 minutes holding eyelids apart, protecting the uninjured eye. If necessary, consult a physician.

Following ingestion: Rinse mouth immediately and drink plenty of water (200-300 mL) in little sips (dilution effect). Avoid vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

16S Mastermix (2x)

The most important known symptoms and effects are described in the labelling section 2.2 and/or in section 11. Not expected to present a significant hazard under anticipated conditions of normal use.

Magnetic Beads

The most important known symptoms and effects are described in the labelling section 2.2 and/or in section 11. Not expected to present a significant hazard under anticipated conditions of normal use.

Other components

The most important known symptoms and effects are described in the labelling section 2.2 and/or in section 11. Not expected to present a significant hazard under anticipated conditions of normal use.

SAFETY DATA SHEET



Revision date: 10.12.2020
Revision 1.2
according to 2015/830/EC

Safety data sheet 16S Microbiome NGS Assay

4.3 Indication of any immediate medical attention and special treatment needed

First aid, symptomatic treatment.

Section 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Adapt extinguishing measures to suit the environment.

5.2. Special hazards arising from the substance or mixture

Not flammable, ambient fire may liberate hazardous vapors.

5.3. Advice for fire-fighters

In case of fire: Use self-contained breathing apparatus.

5.4. Additional information

Prevent fire extinguishing water from contaminating surface water or ground water system.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with mixture. Use personal protective equipment. Provide fresh air. Leave danger zone. Consult expert.

6.2. Environmental precautions

Do not allow to enter drainage system or water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid binding and neutralizing material and dispose of according to section 13.

6.4. Reference to other sections

Observe protective measures in sections 7, 8 and 13.

Section 7. Handling and storage

7.1. Precautions for safe handling

Advice for safe handling: General occupational hygiene measures. Do not eat, drink or smoke in the work area. Wash hands after use. Change contaminated clothing before entering eating areas. Use personal protective equipment.

Precautions against fire and explosion: General measures of preventive fire protection.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: No special technical protective measures are necessary. Only store in original containers. Keep container tightly closed.

7.3 Specific end uses

Observe instructions for use.

Section 8. Exposure controls/personal protection

8.1 Control parameters

These mixtures do not contain substances above concentration limits fixing an occupational exposure limit.

8.2 Exposure controls

Appropriate engineering controls: Technical measures and the design of appropriate work processes go before the use of protective equipment. See section 7.1.

Hygiene measures: Do not eat, drink or smoke at the workplace. Wash hands after working with the mixtures. Preventive skin protection. Immediately change contaminated clothing.

Personal protective equipment: Minimum standards for protective measures during handling of working materials listed in TRGS 500.

Respiratory protection: With proper use, and under normal conditions, breathing protection is not required.

Hand protection: Tested protective gloves are to be worn. Chemical resistance has to be clarified with the supplier.

Eye protection: Tightly sealed goggles.

Other protection measures: Wear protective clothing to prevent contact with skin.

Environmental exposure controls: See section 7. No further action is necessary.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

16S Mastermix (2x)

Form	liquid
Color	colorless
Odor	odorless
Odor threshold	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Explosion limits lower/upper	not applicable
Density (20°C)	no data available
Water solubility (20°C)	soluble
Corrosion	no data available

Magnetic Beads

Form	liquid
Color	colorless liquid with brown precipitate
Odor	odorless
Odor threshold	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Explosion limits lower/upper	no data available
Density (20°C)	approx.. 1.12 g/cm ³
Water solubility (20°C)	no data available
Corrosion	no data available

Other components

Form	liquid
Color	colorless
Odor	odorless
Odor threshold	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Explosion limits lower/upper	no data available
Density (20°C)	no data available
Water solubility (20°C)	soluble
Corrosion	no data available

9.2. Other information

Not available.

Section 10. Stability and reactivity

10.1 Reactivity

16S Mastermix (2x)

There are expected no hazardous reactions for intended use.

Magnetic Beads

There are expected no hazardous reactions for intended use.

Other components

There are expected no hazardous reactions for intended use.

10.2 Chemical stability

Stable under recommended handling and storage conditions.

10.3 Possibility of hazardous reactions

16S Mastermix (2x)

There are expected no hazardous reactions under recommended handling and storage conditions.

Magnetic Beads

Sodium azide forms explosive compounds with heavy metals..

Other components

There are expected no hazardous reactions under recommended handling and storage conditions.

10.4 Conditions to avoid

Magnetic Beads

Extremely high or low temperatures.

10.5 Incompatible materials

Magnetic Beads

Strong oxidising agents, Strong bases, Strong acids, Metals and metallic compounds.

10.6 Hazardous decomposition products

There are expected no hazardous decomposition products under recommended handling and storage conditions.

Section 11. Toxicological information

11.1 Information on toxicological effects

16S Mastermix (2x)

Toxicological data for the mixture are not available.

Acute toxicity: No data available.

Skin corrosion/irritation: No data available.

Eye damage/irritation: No data available.

Sensitization to respiratory tract/skin: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available on carcinogenicity in humans.

Reproductive toxicity: No data available on reproductive toxicity in humans.

Specific target organ toxicity (repeated exposure): no data available.

Specific target organ toxicity (single exposure): No data available.

Aspiration hazard: No data available.

Magnetic Beads

Toxicological data for the mixture are not available.

Acute toxicity: No data available.

Skin corrosion/irritation: No data available.

Eye damage/irritation: No data available.

Sensitization to respiratory tract/skin: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available on carcinogenicity in humans.

Reproductive toxicity: No data available on reproductive toxicity in humans.

Specific target organ toxicity (repeated exposure): No data available.

Specific target organ toxicity (single exposure): No data available.

Aspiration hazard: No data available.

Other components

Toxicological data for the mixtures are not available.

Acute toxicity: No data available.

Eye damage/irritation: No data available.

Eye damage/irritation: No data available.

Sensitization to respiratory tract/skin: No data available.

Germ cell mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive toxicity: The mixtures are not classified. The mixtures do not contain any substances that are classified as toxic for reproduction.

Specific target organ toxicity (repeated exposure): No data available.

Specific target organ toxicity (single exposure): No data available.

Aspiration hazard: No data available.

Section 12. Ecological information

12.1 Toxicity

No data available for the mixtures.

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

PBT/vPvB assessment not available.

12.6 Other adverse events

No data available.

12.7 Additional ecological information. General notes

16S Mastermix (2x)

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal according to the Waste Framework Directive 2008/98/EC and in compliance with national and local rules and regulations.

Packaging

Disposal in accordance with applicable national and local statutes and regulations.

SAFETY DATA SHEET



Revision date: 10.12.2020
Revision 1.2
according to 2015/830/EC

Safety data sheet 16S Microbiome NGS Assay

Section 14. Transport information

14.1 UN-Number

UN No. ---

14.2 UN proper shipping name

ADR/RID: ---

No hazardous material with respect to these transport regulations.

IMDG-Code/ICAO-/IATA-DGR: ---

No hazardous material with respect to these transport regulations.

14.3 Transport hazard class(es)

ADR/RID/IMDG-Code/ICAO-/IATA-DGR: No hazardous material with respect to these transport regulations.

14.4. Packaging group

14.5 Environmental hazards

No hazardous material with respect to these transport regulations.

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of MARPOL-73/78 and the IBC Code

Not applicable.

Section 15. Regulatory information

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

EU Regulations

REACH regulation (EC) No 2015/830 in its latest version

CLP regulation (EC) No 1272/2008 in its latest version

National regulations

Refer to the national legal regulations!

15.2 Chemical safety assessment

For these mixtures no chemical safety assessment has been carried out.

Section 16. Other information

None.

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. ViennaLab Diagnostics GmbH is not held liable for any damage resulting from handling or from contact with the above mentioned products.

The safety data sheet has been prepared in accordance with EC regulation 2015/830/EC.