

SAFETY DATA SHEET

According to Regulation (EG) No. 1907/2006 (REACH) and Regulation (EG) No. 2020/878

Ingenetix Products

Version: 01

Revision date: 2023-07-05

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Products: valid for all Ingenetix products listed in the annex.

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

Only to be used for veterinary diagnostic or research purposes.

1.3 Details of the supplier of the safety data sheet

Manufacturer: Ingenetix GmbH

Address: Haidingergasse 1, 1030 Vienna, Austria

Phone: +43(0)1 36 1980 1

E-mail: office@ingenetix.com

1.4 Emergency phone number

+43 1 406 43 43 (Gesundheit Österreich GmbH, 24 h)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This product does not meet the criteria for classification according to Regulation No. 1272/2008/EC.

2.2 Label elements

Labelling according to REGULATION (EC) No. 1272/2008

Hazard pictograms: Not necessary

Signal word: Not necessary

Hazard statements: Not necessary

Precautionary statements: Not necessary

Hazardous components which must be listed on the label

None

2.3 Other hazards

Not known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

This product is a mixture.

3.2 Mixtures

Assay Mix contains primers, probes and HPLC grade water.

Reaction Mix contains enzymes, proteins, dNTPs, ROX dye and buffer.

Positive control contains plasmids or oligonucleotides and buffer.

Target contains oligonucleotides and buffer.

The concentration of the chemicals used in preparation of the components is very negligible in the final buffer concentration. The product has no classification under CLP and does not fall under SVHC as per REACH Regulation (EC) No1907/2006.

SECTION 4: FIRST-AID MEASURES

4.1 Description of first aid measures

General advice: Rinse thoroughly with plenty of water. Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: Move to fresh air. Consult a physician.

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In case of skin contact: If on skin, rinse well with water. If on clothes, remove clothes. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water. Consult a physician.

If swallowed: Clean mouth with water and drink plenty of water. Consult a physician.

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

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Do not allow run-off from firefighting to enter drains or water courses.

Hazardous combustion products: None known.

5.3 Advice for firefighters

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Bring people to safety.

For emergency responders: Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Given the way of dispensation, there is no possibility of accidental spillage in sufficient quantity to be dangerous. Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Treat recovered material as described in the section "Disposal considerations".

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling: Good Laboratory Practices (disposal gloves). Not to eat, drink and smoke in work areas. Avoid contact and contamination with skin, eyes and clothes. Use disposal gloves. Specimens should be handled as potentially infectious materials.

Advice on protection against fire and explosion: Normal measures for preventive fire protection

Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions: See label, package insert or internal guidelines.

Further information on storage stability: No decomposition if stored and applied as directed.

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7.3 Specific end use(s)

Specific use(s): No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits: No data available.

8.2 Exposure controls

Engineering measures: No data available.

Personal protective equipment

Eye protection: Eye wash bottle with pure water. Safety goggles.

Hand protection: Protective gloves according to EN 374.

Skin and body protection: Wear appropriate protective safety wear and clothing, such as a lab coat and a mask.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	liquid
Colour Reaction Mix and Positive Control:	opaque to light yellow
Colour Assay Mix:	blue to violet (depending on the dye of the probe)
Odour:	no data available
Odour Threshold:	no data available
Melting point/range:	no data available
Boiling point/range:	no data available
Flammability	the product is not flammable, does not sustain combustion
Upper explosion/flammability limit:	no data available
Lower explosion/flammability limit	no data available
Flash point:	no data available
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
pH:	about 6.0 – 8.0
Viscosity dynamic/kinematic:	no data available
Water solubility:	no data available
Solubility in other solvents:	no data available
Partition coefficient: n-octanol/water:	no data available
Vapour pressure:	no data available
Relative density:	no data available
Relative vapour density:	no data available

9.2 Other information

Oxidizing properties:	the substance or mixture is not classified as oxidizing
Flammability (liquids):	does not sustain combustion
Self-ignition:	no data available
Evaporation rate:	no data available
Miscibility with water:	completely miscible

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

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10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

None known.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity:** Not classified based on available information.**Skin corrosion/irritation:** Not classified based on available information.**Serious eye damage/eye irritation:** Not classified based on available information.**Respiratory or skin sensitisation:** Not classified based on available information.**Germ cell mutagenicity:** Not classified based on available information.**Carcinogenicity:** Not classified based on available information.**Reproductive toxicity:** Not classified based on available information.**STOT – single/repeated exposure:** Not classified based on available information.**Repeated dose toxicity:** Not classified based on available information.**Aspiration toxicity:** Not classified based on available information.**Information on other hazards:** None**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

None known. Discard in a proper biohazard container after testing. Do not allow to reach ground water, water bodies or sewage systems.

12.2 Persistence and degradability

None known.

12.3 Bioaccumulative potential

None known.

12.4 Mobility in soil

None known.

12.5 Results of PBT and vPvB assessment

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.

12.6 Endocrine disrupting properties

None known.

12.7 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product: After testing, the product must be disposed of compliance with the respective local, state or national regulations.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number: Not regulated as a dangerous good.

14.2 UN proper shipping name: Not regulated as a dangerous good.

14.3 Transport hazard class(es): Not regulated as a dangerous good.

14.4 Packing group: Not regulated as a dangerous good.

14.5 Environmental hazards: Not regulated as a dangerous good.

14.6 Special precautions for user: Not dangerous goods in the meaning of ADR/RID, ADN, IMDG-Code, ICAO/IATA-DGR.

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

This product does not require special labelling, in accordance with the appropriate regulations.

15.2 Chemical safety assessment

Chemical safety assessments for all substances in this product are either complete or not applicable.

SECTION 16: OTHER INFORMATION

Consult instructions for use prior to product use. Professional use only for in vitro diagnosis.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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SECTION 17: ANNEX

Ingenetix order numbers								
DVEB00111	DVEB01313	DVEB02511	DVEB03913	DVEB05713	DVEF00353	DVEV03611	RTGV220	RTGV800
DVEB00113	DVEB01351	DVEB02513	DVEB03951	DVEB05753	DVEP00111	DVEV03613	RTGV222	RTGV804
DVEB00151	DVEB01353	DVEB02551	DVEB03953	DVEB05811	DVEP00113	DVEV03651	RTGV23	RTGV88
DVEB00153	DVEB01411	DVEB02553	DVEB04013	DVEB05813	DVEP00151	DVEV03653	RTGV231	RTGV90
DVEB00211	DVEB01413	DVEB02611	DVEB04053	DVEB05851	DVEP00153	HUFG050	RTGV232	RTGV900
DVEB00213	DVEB01451	DVEB02613	DVEB04113	DVEB05853	DVEP00311	PC100	RTGV233	RTGV903
DVEB00251	DVEB01453	DVEB02651	DVEB04153	DVEB05911	DVEP00313	PC1000	RTGV24	RTGV904
DVEB00253	DVEB01511	DVEB02653	DVEB04213	DVEB05913	DVEP00351	PC1001	RTGV240	RTGV905
DVEB00311	DVEB01513	DVEB02711	DVEB04253	DVEB05951	DVEP00353	PC120	RTGV25	RTGV907
DVEB00313	DVEB01551	DVEB02713	DVEB04313	DVEB05953	DVEP00413	PC130	RTGV250	RTGV908
DVEB00351	DVEB01553	DVEB02751	DVEB04353	DVEB06011	DVEP00453	PC200	RTGV255	RTGV909
DVEB00353	DVEB01611	DVEB02753	DVEB04413	DVEB06013	DVEP00511	PC300	RTGV26	RTGV910
DVEB00411	DVEB01613	DVEB02811	DVEB04453	DVEB06051	DVEP00513	PC400	RTGV266	RTGV912
DVEB00413	DVEB01651	DVEB02813	DVEB04511	DVEB06053	DVEP00551	PC500	RTGV267	RTGV913
DVEB00451	DVEB01653	DVEB02851	DVEB04513	DVEB06111	DVEP00553	PC600	RTGV268	RTGV914
DVEB00453	DVEB01713	DVEB02853	DVEB04551	DVEB06113	DVEP00611	PC700	RTGV269	RTGV919
DVEB00513	DVEB01753	DVEB02911	DVEB04553	DVEB06151	DVEP00613	PC800	RTGV27	RTGV920
DVEB00553	DVEB01811	DVEB02913	DVEB04611	DVEB06153	DVEP00651	PC900	RTGV270	RTGV923
DVEB00611	DVEB01813	DVEB02951	DVEB04613	DVEB06511	DVEP00653	RTGM10V	RTGV28	RTGV924
DVEB00613	DVEB01851	DVEB02953	DVEB04651	DVEB06513	DVET001	RTGM1700	RTGV30	RTGV926
DVEB00651	DVEB01853	DVEB03011	DVEB04653	DVEB06551	DVET002	RTGMCR-1	RTGV300	RTGV927
DVEB00653	DVEB01911	DVEB03013	DVEB05011	DVEB06553	DVEV00511	RTGMCR-2	RTGV31	RTGV928
DVEB00713	DVEB01913	DVEB03051	DVEB05013	DVEB06611	DVEV00513	RTGMCR-3	RTGV32	RTGV932
DVEB00753	DVEB01951	DVEB03053	DVEB05051	DVEB06613	DVEV00551	RTGV010	RTGV33	RTGV935
DVEB00811	DVEB01953	DVEB03111	DVEB05053	DVEB06651	DVEV00553	RTGV100	RTGV333	RTGV936
DVEB00813	DVEB02011	DVEB03113	DVEB05111	DVEB06653	DVEV00711	RTGV103	RTGV34	RTGV937
DVEB00851	DVEB02013	DVEB03151	DVEB05113	DVEB06711	DVEV00713	RTGV110	RTGV340	RTGV938
DVEB00853	DVEB02051	DVEB03153	DVEB05151	DVEB06713	DVEV00751	RTGV1200	RTGV35	RTGV939
DVEB00911	DVEB02053	DVEB03411	DVEB05153	DVEB06751	DVEV00753	RTGV1201	RTGV36	RTGV940
DVEB00913	DVEB02111	DVEB03413	DVEB05211	DVEB06753	DVEV01111	RTGV1250	RTGV40	RTPM300
DVEB00951	DVEB02113	DVEB03451	DVEB05213	DVEB06813	DVEV01113	RTGV1260	RTGV400	
DVEB00953	DVEB02151	DVEB03453	DVEB05251	DVEB06853	DVEV01151	RTGV1270	RTGV444	
DVEB01011	DVEB02153	DVEB03611	DVEB05253	DVEB06911	DVEV01153	RTGV1300	RTGV500	
DVEB01013	DVEB02211	DVEB03613	DVEB05311	DVEB06913	DVEV02511	RTGV1400	RTGV510	
DVEB01051	DVEB02213	DVEB03651	DVEB05313	DVEB06951	DVEV02513	RTGV1410	RTGV550	
DVEB01053	DVEB02251	DVEB03653	DVEB05351	DVEB06953	DVEV02551	RTGV15	RTGV60	
DVEB01111	DVEB02253	DVEB03711	DVEB05353	DVEF00113	DVEV02553	RTGV1R01	RTGV600	
DVEB01113	DVEB02311	DVEB03713	DVEB05411	DVEF00153	DVEV02911	RTGV20	RTGV610	
DVEB01151	DVEB02313	DVEB03751	DVEB05413	DVEF00211	DVEV02913	RTGV200	RTGV620	
DVEB01153	DVEB02351	DVEB03753	DVEB05451	DVEF00213	DVEV02951	RTGV201	RTGV68	
DVEB01211	DVEB02353	DVEB03811	DVEB05453	DVEF00251	DVEV02953	RTGV202	RTGV69	
DVEB01213	DVEB02411	DVEB03813	DVEB05511	DVEF00253	DVEV03311	RTGV21	RTGV70	
DVEB01251	DVEB02413	DVEB03851	DVEB05513	DVEF00311	DVEV03313	RTGV210	RTGV700	
DVEB01253	DVEB02451	DVEB03853	DVEB05551	DVEF00313	DVEV03351	RTGV215	RTGV704	
DVEB01311	DVEB02453	DVEB03911	DVEB05553	DVEF00351	DVEV03353	RTGV22	RTGV80	

SECTION 18: CHANGE HISTORY

Rev. No.	Date	Reason for change	Created by
01	2023-07-05	Initial document	Matthias Rauch