

SAFETY DATA SHEET

Revision date 04/09/2026

Revision Number 2

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1. Identification

Product identifier

MolliScience[®] qPCR Kits

Product Name

MolliScience[®] MS-H DIVA qPCR Kit

MolliScience[®] ts-11 / MG304 DIVA qPCR Kit

MolliScience[®] MG F DIVA qPCR Kit

MolliScience[®] MG 6/85 DIVA qPCR Kit

MolliScience[®] MSMG duplex qPCR Kit

Other means of identification

None

Components

qPCR Mastermix (Mix 1)

Product specific qPCR oligos (primer/probe mix)
(Mix 2)

Nuclease-free water (Mix 3)

Product specific qPCR positive control

Recommended use of the chemical and restrictions on use

Real-time polymerase chain reaction assay for the detection/ differentiation of target DNA. Not for use in human or animals.

Safety data sheet number

MS-001

Details of the supplier of the safety data sheet

MolliScience Kft., Március 15. utca 1., 2051
Biatorbágy, Hungary, EU.

Email: info@molliscience.com

Emergency telephone number

Chemtrec 1-800-424-9300

2. Hazard(s) identification

Components	qPCR Mastermix Product specific qPCR oligos (primer/probe mix) Nuclease-free water Product specific qPCR positive control
Classification of the substance or mixture	Classification according to Regulation (EC) No 1272/2008 these components are classified as not hazardous according to regulation (EC) 1272/2008 [GHS]
Hazards not otherwise classified (HNOC)	Not applicable
Label elements	These components are classified as not hazardous according to regulation (EC) 1272/2008 [GHS], thus no hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.
Labelling according to EU guidelines:	Study the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).
Safety phrases:	These components and their containers must be disposed of in a safe way.
Other hazards:	No information available
Other information	No information available

3. Composition/information on ingredients

Components	qPCR Mastermix Product specific qPCR oligos (primer/probe mix) Nuclease-free water Product specific qPCR positive control
Substance	mixtures
CAS No.	-
Concentration (%)	-
Trade secret	*

*The exact composition and percentage (concentration) of composition have been withheld as a trade secret

4. First-aid measures

General information

No special measures required

Inhalation

Remove to fresh air.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact

Wash skin with soap and water.

Ingestion

Rinse mouth.

Information for doctor

Treat symptomatically.

Symptoms

No information available.

Effects of Exposure

No information available.

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5. Fire-fighting measures

Suitable Extinguishing Media

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

Unsuitable extinguishing media

Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

No information available.

Sensitivity to mechanical impact

None.

Sensitivity to static discharge

None.

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Protective equipment

Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Environmental precautions:

No special environmental precautions required.

Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Soak up with inert absorbent material.

**Methods for cleaning up
Prevention of secondary
hazards**

Pick up and transfer to properly labeled containers.
Clean contaminated objects and areas thoroughly
observing environmental regulations.

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7. Handling and storage

Precautions for safe handling

Handle in accordance with good industrial hygiene
and safety practice.

**General hygiene
considerations**

Handle in accordance with good industrial hygiene
and safety practice.

**Conditions for safe storage,
including any incompatibilities**

Keep container tightly closed in a dry and well-
ventilated place. Containers which are opened must
be carefully resealed, kept upright and stored at
their labelled temperature.

8. Exposure controls/personal protection

Control Parameters

Exposure Limits

These products, as supplied, contain materials that
do not have reportable occupational exposure limits
or are not subject to the reporting requirements of
the local jurisdiction.

**Biological occupational
exposure limits**

These products, as supplied, contain materials that
do not have reportable biological exposure limits or
are not subject to the reporting requirements of the
local jurisdiction.

**Appropriate engineering
controls**

Engineering controls

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

Individual protection measures, such as personal protective equipment

Eye/face protection

Appropriate eye/face protection should be selected
and used according to the chemical nature, hazards
and use of these products and safety requirements
of the local jurisdiction.

Hand protection

Appropriate hand protection should be selected and used according to the chemical nature, hazards and use of these products and safety requirements of the local jurisdiction.

Skin and body protection

Appropriate skin and body protection should be selected and used according to the chemical nature, hazards and use of these products and safety requirements of the local jurisdiction.

Respiratory protection

Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of these products and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene measures

Wash hands after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using these products.

Control of environmental exposure

No special environmental precautions needed.

9. Physical and chemical properties

	qPCR Mastermix	Product specific qPCR oligos (primer/probe mix)	Nuclease-free water	Product specific qPCR positive control
Appearance.	Liquid	Liquid	Liquid	Liquid
Colour.	Colourless	Light pink	Colourless	Colourless
Odour.	Odourless	Odourless	Odourless	Odourless
Odour threshold	Not available.	Not available.	Not available.	Not available.
pH	Not available.	Not available.	6,0 - 8,0 at 25 °C	Not available.
Melting point	Not available.	Not available.	Melting point/ range: 0,0 °C	Not available.
Initial boiling point and range	Not available.	Not available.	100 °C - lit.	Not available.
Flash point	Not available.	Not available.	Not available.	Not available.
Evaporation rate	Not available.	Not available.	Not available.	Not available.

	qPCR Mastermix	Product specific qPCR oligos (primer/probe mix)	Nuclease-free water	Product specific qPCR positive control
Evaporation factor	Not available.	Not available.	Not available.	Not available.
Flammability (solid, gas) Not available.	Not available.	Not available.	Not available.	Not available.
Upper/lower flammability or explosive limits	Not available.	Not available.	Not available.	Not available.
Other flammability	Not available.	Not available.	Not available.	Not available.
Vapour pressure	Not available.	Not available.	Not available.	Not available.
Vapour density	Not available.	Not available.	Not available.	Not available.
Relative density	Not available.	Not available.	Not available.	Not available.
Bulk density	Not available.	Not available.	Not available.	Not available.
Solubility(ies)	Not available.	Not available.	Not available.	Not available.
Partition coefficient	Not available.	Not available.	log Pow: -0,467 - Bioaccumulation is not expected	Not available.
Auto-ignition temperature	Not available.	Not available.	Not available.	Not available.
Decomposition Temperature	Not available.	Not available.	Not available.	Not available.
Viscosity	Not available.	Not available.	Not available.	Not available.
Explosive properties	Not considered to be explosive.	Not considered to be explosive.	Not considered to be explosive.	Not considered to be explosive.
Explosive under the influence of a flame.	Not available.	Not available.	Not available.	Not available.
Oxidising properties	Not available.	Not available.	Not available.	Not available.
Other information.	None	None	None	None

10. Stability and reactivity

Reactivity	None known.
Chemical stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Incompatible materials	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours

11. Toxicological information

Information on likely routes of exposure

Inhalation	No data available.
Eye contact	No data available.
Skin contact	No data available.
Ingestion	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	No information available.
Acute toxicity	No information available.
Numerical measures of toxicity	No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.

Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
Other adverse effects	No information available.
Interactive effects	No information available.

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

12. Ecological information

Ecotoxicity	The environmental impact of these products has not been fully investigated
Persistence and degradability	No information available.
Bioaccumulation	No information available.
Mobility in soil	No information available.
Results of PBT and vPvB assessment	These components do not contain any substances that are assessed to be a PBT or vPvB.
Other adverse effects	No information available.

13. Disposal considerations

Disposal methods

Waste from residues/unused products

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. These materials and their containers must be disposed of in a safe way. Dispose of these products in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Contaminated packaging

Do not reuse empty containers.

14. Transport information

DOT Not classified as dangerous in the meaning of transport regulations.

IATA Not classified as dangerous in the meaning of transport regulations.

IMDG Not classified as dangerous in the meaning of transport regulations.

UN number	Not applicable.
UN proper shipping name	Not applicable.
Transport hazard classes	Not applicable.
Packaging group	Not applicable.
Environmental hazards	Not applicable.
Special precautions for user	Not applicable.

15. Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits. EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other information

Abbreviations and acronyms used in the safety data sheet

IATA	International Air Transport Association.
IMDG	International Maritime Dangerous Goods.
CAS	Chemical Abstracts Service.
PBT	Persistent, Bioaccumulative and Toxic substance.
STOT	Specific target organ toxicity
vPvB	Very Persistent and Very Bioaccumulative.

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Training advice: Only trained personnel should use this material.

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The information in this safety data sheet is, to the best of our knowledge, correct as of the date it was issued. We do not guarantee that this safety data sheet includes all the information necessary for your intended use. You (the user) are responsible for determining whether this material or product is suitable for your particular purpose. MolliScience Kft. will not be liable for any damages resulting from handling or contact with the product.