

SAFETY DATA SHEET

This Safety Data Sheet (SDS) complies with the requirements of Annex II of Regulation (EC) No. 1907/2006 of the European Parliament and of the Council and subsequent amendments.

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

1.1 Product Identifier

Product Name

vetproof® MS-H DIVA DNA test Kit

Catalogue Number

KIT250001

1.2 Use of the substance/ preparation

For veterinary *in vitro* use only – for animal use only.

1.3. Details of the supplier of the safety data sheet

BioChek B.V.

Fokkerstraat 14

2811ER Reeuwijk - Netherlands

Tel: +31 (0) 182 582 592 (operating hours 09.00-17.00 CET)

info@biochek.com

1.4 Emergency Telephone

France: (I.N.R.S) +33 (0) 1 45 42 59 59

(Or contact your local Poison Control Centre)

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification under CLP:

Not a hazardous substance or mixture.

Most important adverse effects:

Not a hazardous substance or mixture.

2.2 Label Elements

REGULATION (EU) 1272/2008

Pictogram:

Not a hazardous substance or mixture.

Signal word:

Not a hazardous substance or mixture.

Hazard statement(s):

Not a hazardous substance or mixture.

Precautionary statement(s):

Not a hazardous substance or mixture.

Other Hazards:

This substance/ mixture contains no components considered to be either persistent, bioaccumulative and toxic, or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/ information on ingredients

Component	CAS-No.	EC-No.	Index-No.	Concentration	Classification
Glycerol	56-81-5	200-289-5	NA	<3.0%	Not classified

SECTION 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.

If inhaled

If breathed in, move person to fresh air. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/ or section 11.

4.3 Indication of immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

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

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products formed under fire conditions. - COx; NOx; HC.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.
Use water spray to cool unopened containers.

5.4 Further information

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Do not breathe vapours; aerosols. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedure.
Use personal protective equipment (see section 8).

6.2 Environmental precautions

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

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Shelter from light. Storage temperature <-15°C.

7.3 Specific end use(s)

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

SECTION 8: Exposure controls/ personal protection

8.1 Control parameters

Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
Glycerol	56-81-5	TWA	10.0 mg/m ³	Occupational Exposure Values (OEV), France

8.2 Exposure Controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wash hands before breaks and at the end of the 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 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

Wear suitable protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

While handling according to the intended use no respiratory protection is necessary.

Control of environmental exposure

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid	Density	Not determined
Colour	Colourless to pinkish	Relative density air=1	Not determined
Odour	Odourless	Solubility in water	Soluble
Boiling point	Not determined	pH	8.5
Flash point	Not determined	Viscosity	Not determined
Flammability	N/A	Oxidising properties	Not determined
Explosive properties	Not determined	Conductivity	Not determined
Vapour pressure	Not determined		

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable until expiry date under storage conditions detailed on labels.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Contact with acids liberates very toxic gas. Heating.

10.5 Incompatible materials

Strong oxidizing agents; strong bases and acids; acid chloride.

10.6 Hazardous decomposition products

In case of fire (see Section 5).

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Information about glycerol

Acute toxicity oral

LD50 rat

12600 mg/kg bw

Symptoms: vomiting, diarrhoea

Acute toxicity dermal

LD50 rabbit

>18700 mg/kg bw (IUCLID)

Skin corrosion/irritation

Rabbit

Result: no irritation (IUCLID)

Serious eye damage/eye irritation

Rabbit

Result: no irritation

Respiratory or skin sensitisation

Patch test: human

Result: negative (IUCLID)

Germ cell mutagenicity

In vitro, Ames test

Result: Negative (IUCLID)

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

11.2 Other information

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

CAUTION: This product contains source materials of animal origin. These materials should be handled as though they might contain potentially infectious agents.

SECTION 12: Ecological information**12.1 Toxicity****Information about glycerol**

Toxicity to fish

LC50

Species: *Carassius auratus*

Dose: >5000 mg/L

Exposure time: 24h

Toxicity to daphnia and other aquatic invertebrates

EC50

Species: *Daphnia magna*

Dose: >10000 mg/L

Exposure time: 24 h

(external SDS)

Toxicity to algae

IC5

Species: *Scenedesmus quadricauda*

Dose: >10000 mg/L

Exposure time: 7 days
(external SDS)

Toxicity to bacteria

EC5

Species: *Pseudomonas putida*

Dose: >10000 mg/L

Exposure time: 16 h
(external SDS)

12.2 Persistence and biodegradability

Information about glycerol

Biodegradability

Result: readily biodegradable
63%

Exposure time: 14 days
(OCDE guideline 301C)

12.3 Bioaccumulative potential

Information about glycerol

Partition Coefficient: n-octanol/water

Log POW: - 1.76

Bioaccumulation not expected (Log Pow 1-3)
(external SDS)

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

These substances/mixtures contain 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

These substances/mixtures contain no components considered to have endocrine disrupting properties for environment, according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

12.7 Other adverse effect

None reported.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Empty containers or liners may retain some product residues. Leave chemicals in original containers and handle uncleaned containers like the product itself. No mixing with other waste. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

14.1 UN number

Not regulated for transport

14.2 UN proper shipping name

Not regulated for transport

14.3 Transport hazard classes

Not regulated for transport

14.4 Packaging group

Not regulated for transport

14.5 Environmental hazards

Not applicable

14.6 Special precautions for user

Not applicable

SECTION 15: Regulatory information

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

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

Authorisations and/or restrictions on use

Not applicable

15.2 Chemical safety assessment

No Chemical safety assessment has been carried out.

SECTION 16: Other information

For veterinary *in vitro* use only – for animal use only.

Abbreviations:

ADN	European agreement concerning the international carriage of dangerous goods by waterways
ADR	European agreement concerning the international carriage of dangerous goods by road
CAS	Chemical Abstracts Service number
CLP	Regulation (EC) No 1272/2008, Regulation on classification, labelling and packaging of substances and mixtures
EC	European Community
ECx	Effective Concentration x%
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IC50	Semi-maximum inhibitory concentration
IUCLID	International Uniform Chemical Information Database
IMDG	International Maritime Dangerous Goods Code
IMO	International Maritime Organization
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative and Toxic
REACH	Regulation (EC) No. 1907/2006, Regulation on the registration, evaluation, authorisation and restriction of chemicals
RID	Regulations concerning the International Carriage of Goods by Rail
RTECS	The Registry of Toxic Effects of Chemical Substances
SCL	Specific concentration limit
SDS	Safety data sheet
STEL	Short term Exposure Limit
SVHC	Substance(s) of Very High Concern
TWA	Time Weighted Average
UN ^{xxxx}	Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods
vPvB	Very Persistent and very Bioaccumulative

Additional information

Not applicable

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE."

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