

1. Identification of substance/mixture and contact

Trade name: Milenia® HybriDetect

Cat.-No. MGHD 1

Intended use: Universal lateral flow dipstick for detection of biotin- and FITC-labeled analytes (proteins, genomic amplicates); development platform

Manufacturer/supplier: Milenia Biotec GmbH
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Emergency Call: see your local poison information center!

2. Possible Hazards

Classification of substance/mixture: no single substances - kit is classified as a mixture

Declaration of hazards: no information necessary

Specific hazards: no information necessary

3. Composition/Information on components

Description: Development platform

Ingredients of the kit:

- HybriDetect Assay Buffer (MGCB)
- HybriDetect Dipsticks (MGDS)

Identification of ingredients:

CAS-Nr.	EG-Nr.	Description	component	Conc.	Indexing
26628-22-8	247-852-1	Sodium azide	MGCB	< 0,1%	--
26628-22-8	247-852-1	Sodium azide	MGDS	< 0,1%	--

Additional information:

No need for declaration below 0,1%



4. First-aid-steps

Due to the low concentration of chemicals and the chromatographic nature of the assay personal damages are extremely unlikely if the test is done according to the instructions. So far no injuries have been reported that could be linked to the use of the lateral flow immunoassay. For safety reasons general First Aid measures for chemical substances will be listed nevertheless.

Inhalation:	Remove source of exposure; take person outside at fresh air
Skin contact:	Remove source of exposure; wash affected area with water
Eye contact:	Remove source of exposure; wash with copious amounts of water
Ingestion:	Drink copious amounts of water
General advice:	If irritation or signs of toxicity occur, seek medical attention

5. Fire and Explosion Hazard Data

Extinguishing media:	Water spray, Foam, CO ₂ , Dry Chemical
Special hazards and safety measures in case of fire:	Special protection in case of fire-fighting is generally recommended

6. Accidental Release

Personal precautions:	Wear protective clothes, remove unprotected persons
Environmental precautions:	not necessary
Procedures for cleaning/collecting:	Spilled liquid should be wiped away with absorbent material and be submitted to disposal
Additional advice:	No hazardous compounds are released

7. Handling and storage

Protective measure for safe handling:	No special measures required, observe instructions for use
Conditions for safe storage:	see package insert

8. Exposure control and personal protection

Addition information about design of technical facilities:	not necessary
General protective and hygiene measures:	Keep away from food and beverages Wash hands
Protection of hands/eyes:	Protective lab glasses, gloves
Personal protection:	Laboratory clothes
Respiratory protection:	not necessary

9. Physical and chemical properties

	Components	
	MGCB	MGDS
Form	liquid	solid
colour	colourless	white with printed cover adhesive (green)
Odour	No smell	No smell
pH (20°C)	~ pH 7	Not applicable for solid components
Melting point/ Freezing point	Do not freeze	Plastic decomposition at ~ 300°C
Boiling point (°C)	~ 100°C	Not applicable for solid components
Burning point (°C)	Not applicable	Not applicable
Evaporation rate	Not applicable	Not applicable
Ignition temperature	Not applicable	Not applicable
flammability	Not applicable	Not applicable
Relative vapour pressure	Not applicable	Not applicable
Relative vapour density	Not applicable	Not applicable
Solubility	soluble	Not applicable
Self-ignition (°C)	Not applicable	Not applicable
Explosive character	Not applicable	Not applicable

10. Stability and reactivity

Conditions to be avoided:	Humidity (opened test), heating up, drying up
Compounds to be omitted:	No special hazards known
Hazardous products of decomposition:	Plastic device; Strip: hazardous decomposition products during burning possible

11. Toxicological information

Primary irritant effect on the eyes / skin:	Data concerning the toxicity of this product in the existing dilution are not available
Sensitization of respiratory system / skin:	No irritant effect known
Additional information:	The product should be used taking the usual precautions for handling chemicals

12. Ecological information

No data required. Test can be thrown away in regular household garbage.
In the concentrations at hand an environmental threat is not to be expected.
The concentration of the substances in the reagent is so low that there is no need for declaration.

13. Disposal considerations

<u>Procedure of disposal:</u>	Follow the standard procedures for proper disposal of specimens
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14. Transport information

UN-transport identification ADR/RID:	not subject
Hazard category for transportation:	not applicable
Environmental risks:	none
Special information for the user:	see chapter 6 to 8

15. Regulations

Labeling according to EC Directives:	no classification
Risk (H) and safety (P) phrases:	not necessary

National Regulations

Water hazard class:	WGK 0: not hazardous to water
Chemical Safety Assessment:	not necessary



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Material Safety Data Sheet (MSDS)
Appr. regulation (EG) No 2015/830
appendix II

MSDS-
MGHD 1

16. Other information

Changes compared to revised version: ---

The given information is based on the current state of knowledge but does not guaranty product performances and cannot be used as basis for legal disputes.

Material Safety Data Sheet issued by:

U. Mawack
Safety Officer Medical Device

Date of issue of the Material Safety Data Sheet: 02. September 2021