

### **1. Identification of substance/mixture and contact**

<b>Trade name:</b>	<b>Milenia® GenLine Hop Resistance Screen Kit</b>
<b>Cat.-No.</b>	<b>MGScHOR 1</b>
<b>Intended use:</b>	PCR kit for qualitative detection of hop resistance gene
<b>Manufacturer/supplier:</b>	Milenia Biotec GmbH Versailler Straße 1, 35394 Gießen (Deutschland) Phone: +49 (0)641-94 888 3-0, Telefax: +49 (0)641-94 888 3-80 E-mail: <a href="mailto:info@milenia-biotec.de">info@milenia-biotec.de</a> Internet: <a href="http://www.milenia-biotec.de">http://www.milenia-biotec.de</a>
<b><u>Emergency Call:</u></b>	see your local poison information center!

### **2. Possible Hazards**

<b>Classification of substance/mixture:</b>	no single substances - kit is classified as a mixture
<b>Declaration of hazards:</b>	no information necessary
<b>Specific hazards:</b>	no information necessary

### **3. Composition/Information on components**

<b>Description:</b>	PCR kit for qualitative detection of hop resistance gene
<b>Ingredients of the kit:</b>	<ul style="list-style-type: none"><li>• PCR Primer Mix (2x; MGPHOR)</li><li>• PCR-Polymerase Master Mix (2x; MGPOL)</li><li>• LP &amp; HR Positive Control (MGLHPC)</li><li>• PCR- Water (MGH2O)</li></ul>
<b>Identification of ingredients:</b>	<ul style="list-style-type: none"><li>• None</li></ul>
<b>Additional information:</b>	No need for declaration

**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.

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

**5. Fire and Explosion Hazard Data**

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

**6. Accidental Release**

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

**7. Handling and storage**

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

### 8. Exposure control and personal protection

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

### 9. Physical and chemical properties

	Components			
	MGPHOR	MGPOL	MGLHPC	MGH2O
<b>Form</b>	liquid	liquid	liquid	liquid
<b>Colour</b>	colourless	colourless	colourless	colourless
<b>Odour</b>	No smell	No smell	No smell	No smell
<b>pH (20°C)</b>	~ pH 8	Not determined	~ pH 8	Not determined
<b>Melting point/ Freezing point</b>	undetermined	undetermined	undetermined	undetermined
<b>Boiling point (°C)</b>	~ 100°C	~ 100°C	~ 100°C	~ 100°C
<b>Burning point (°C)</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Evaporation rate</b>	Not determined	Not determined	Not determined	Not determined
<b>Ignition temperature</b>	Not determined	Not determined	Not determined	Not determined
<b>flammability</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Relative vapour pressure</b>	Not determined	Not determined	Not determined	Not determined
<b>Relative vapour density</b>	Not determined	Not determined	Not determined	Not determined
<b>Solubility in / Miscibility with water</b>	Fully miscible	Fully miscible	Fully miscible	Fully miscible
<b>Self-ignition (°C)</b>	Product is not self-igniting	Product is not self-igniting	Product is not self-igniting	Product is not self-igniting

### 10. Stability and reactivity

<b>Conditions to be avoided:</b>	light (MGPHOR), heating up, drying up, temperature below -20°C (MGPOL)
<b>Compounds to be omitted:</b>	No further relevant information available
<b>Hazardous products of decomposition:</b>	No dangerous decomposition products known

### **11. Toxicological information**

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

### **12. Ecological information**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

### **13. Disposal considerations**

<b><u>Procedure of disposal:</u></b>	Disposal must be made according to official regulations
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### **14. Transport information**

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

### **15. Regulations**

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

#### **National Regulations**

<b>Water hazard class:</b>	WGK 1: slightly hazardous to water
<b>Chemical Safety Assessment:</b>	not necessary



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

**MSDS-**  
**MGScHOR 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:

S. Mawrache  
Safety Officer for Medical Devices

Date of issue of the Material Safety Data Sheet:

26.04.2016  
date