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# Material Safety Data Sheet

Revision Date: 17th-May-2022



## 1. Product and Company Information

Product: *EasyPure*<sup>®</sup> Buccal Swab Genomic DNA Kit

Cat. No. EE201-01  
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## 2. Composition

Chemical Name	CAS No.	Concentration or Concentration Range (w/w %)
Proteinase K 39450-01-6 (1-5)	39450-01-6	1-5

It is recommended to handle all chemicals with caution.

## 3. Hazards Identification

### Health Hazards

Respiratory Sensitization Category 1.

Skin corrosion/irritation Category 3.

### Physical Hazards

No classification

### Environmental Hazards

No classification

### Signal Word

Danger

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## Hazard Symbol



## Dangerous Goods Graphic Symbol Name

Health hazard

## Hazard Statements

H316 - Causes minor skin irritation.

H334 - May cause allergy or asthma symptoms  
or breathing difficulties if inhaled.

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## 4. First Aid Measures

Eye contact	Immediately rinse with plenty of water for at least 15 minutes, including under the eyelids. Immediate medical attention is required.
Skin contact	Immediately rinse with plenty of water for at least 15 minutes. Remove and wash soiled clothing and gloves, including the inside, before reuse. Immediate medical attention is required.
Inhalation	Remove to fresh air. If breathing stops, give artificial respiration. Call doctor if symptoms persist.
Ingestion	Do not give anything by mouth to an unconscious patient. Do not induce vomiting without medical advice. If symptoms occur, seek medical attention.
Notes to physicians	Treat symptomatically.

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## 5. Fire-Fighting Measures

### Extinguishing media

Suitable extinguishing media	Water spray, Carbon dioxide (CO <sub>2</sub> ), Foam, Dry powder
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Unsuitable extinguishing media	No information available
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### **Special dangers**

Not known

### **Firefighters' protective equipment and precautions**

Standard procedures for dealing with chemical fires

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## **6. Accidental Release Measures**

Personal precautions	Ensure adequate ventilation and always wear personal protective equipment.
Methods for cleaning up	Use inert absorbent material to soak up spill.
Environmental precautions	To prevent further seepage and leakage, as long as it is safe to do so.

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## **7. Handling and Storage**

Precautions for safe handling	Use recommended personal protective equipment. No special handling advice is required.
Conditions for safe storage	Keep container sealed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Prevent direct sunlight.
Specific use	For research use only. Not for diagnostic use.

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## **8. Exposure Controls/Personal Protection**

### **Control parameter**

MAC(mg/m <sup>3</sup> )	No standardsavailable
PC-TWA(mg/m <sup>3</sup> )	No standardsavailable

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PC-STEL(mg/m <sup>3</sup> )	No standardsavailable
TLV-C(mg/m <sup>3</sup> )	No standardsavailable
TLV-TWA(mg/m <sup>3</sup> )	No standardsavailable
TLV-STEL(mg/m <sup>3</sup> )	No standardsavailable
<b>Exposure controls</b>	
Personal protective equipment	
Respiratory protection	In case of insufficient ventilation, use respirators with their components tested and approved under appropriate government standards
Hand Protection	Wear appropriate gloves Glove material: Compatible chemical resistant gloves.
Eye Protection	Tightly sealed goggles
Skin and Body Protection	Wear appropriate protective clothing
Hygiene Measures	Operate in accordance with good industrial hygiene and safety practice
Environmental exposure control	To prevent further seepage and leakage, as long as it is safe to do so

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## 9. Physical and Chemical Properties

### General Information

Form	Liquid
Solubility in water	Soluble
Others	No data available

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## 10. Stability and Reactivity

Reactivity	Not known
Stability	Stable under normal storage conditions
Materials to avoid	No dangerous reaction known under conditions of normal use.
Hazardous polymerization	Hazardous polymerization does not occur.
Decomposition products	No decomposition products under normal use conditions

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## 11. Toxicological Information

### Information on toxicological effects

Acute Toxicity	No data available
Oral-rat LD50 (mg/kg)	No data available
Dermal-rat LD50 (mg/kg)	No data available
Inhalation-rat LC50 (mg/m <sup>3</sup> )	No data available
Subcutaneous-rat LD50 (mg/kg)	No data available
Intravenous-rat LD50 (mg/kg)	No data available
Peritoneal cavity-rat LD50 (mg/kg)	No data available
Oral-mouse LD50 (mg/kg)	No data available
Dermal- mouse LD50 (mg/kg)	No data available
Intravenous-mouse LD50 (mg/kg)	No data available
Peritoneal cavity-mouse LD50 (mg/kg)	No data available

### Main routes of exposure

Acute Toxicity	Data are conclusive but insufficient for classification
Skin corrosion/ irritation	Skin irritation
Serious eye damage/irritation	Data are conclusive but insufficient for classification
Respiratory or skin allergy	May cause allergy if inhaled.
Specific target organ toxicity(STOT) – single exposure	Data are conclusive but insufficient for classification
Specific target organ toxicity (STOT) – repeated exposure	Data are conclusive but insufficient for classification
Carcinogenicity	Data are conclusive but insufficient for classification
Germ cell mutagenicity	Data are conclusive but insufficient for classification
Reproductive toxicity	Data are conclusive but insufficient for classification
Aspiration hazard	Data are conclusive but insufficient for classification

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## 12. Ecological Information

Ecotoxicity	The environmental effects of this product have not been fully studied.
Carcinogenic effects	No data available
Mobility	No data available
In vivo degradation	No data available
Bioaccumulation	No data available

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## 13. Disposal Considerations

Waste should be avoided or minimized as much as possible. Empty containers or liners may retain some product residues. The substance and its container must be disposed of in accordance with approved disposal techniques. The disposal of the product, its solution or any by-products should refer to relevant national and local regulations.

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## 14. Transport Information

Hazard class	No data available
UN number	No data available
Packing group	No data available
Packing method	No data available
Transportation considerations	Package should be intact upon departure. Loading should be handled carefully. During transportation, prevent the containers from leakage, collapse, fall or damage. Transportation combined with oxidants, edible chemicals, etc. is strictly prohibited. It should be protected from exposure to sun light, rain and high temperature during transportation. The vehicle should be thoroughly cleaned after transportation. Road transportation must follow the prescribed route.

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## 15. Regulatory Information

The following laws, regulations and standards have made corresponding provisions on the safe use, storage, transportation, loading and unloading, classification and marking of chemicals: The Production Safety Law of the People's Republic of China (adopted at the 27th meeting of the Standing Committee of the Ninth People's Congress on June 29, 2002); The Environmental Protection Law of the People's Republic of China (adopted at the 11th meeting of the Standing Committee of the Seventh National People's Congress on December 26, 1989)

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## 16. Other Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

The above information was acquired by diligent search and/or investigation. These recommendations are based on prudent professional judgment. This 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, quantities, 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 MSDS does not constitute a warranty of marketability or suitability for any particular purpose, expressed or implied.**

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**End of Safety Data Sheet**