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## Safety Data Sheet

### 【1】 PRODUCT AND COMPANY INFORMATION

Product name Palladium Colloid Pd1 (100 nm)

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Manufacturer's name Morinaga BioScience, Inc.  
 Address 2-1-1 Shimosueyoshi, Tsurumi-ku, Yokohama-shi, 230-8504, Japan  
 Section Quality assurance division  
 Telephone +81-45-586-2514  
 Fax +81-45-586-2517  
 SDS No. GHS-PD-11

### 【2】 HAZARDS IDENTIFICATION

GHS classification : Not applicable

Physical and chemical hazard

Flammable solids : -

Pyrophoric solids : -

Substances and mixtures which, in contact with water, emit flammable gases : -

Oxidizing solids : -

Human health hazard

Acute toxicity, Oral : -

Acute toxicity, Dermal : -

Skin corrosion · Irritation : -

Serious eye damage · Eye irritation : -

Gram cell mutagenicity : -

Carcinogenicity : -

Reproductive toxicity : -

Specific target organ systemic toxicity (single exposure) : -

Specific target organ systemic toxicity (repeated exposure) : -

Environmental hazard

Hazardous to the aquatic environment (acute hazard) : -

Hazardous to the aquatic environment (chronic hazard) : -

### 【3】 COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture : Mixture

Chemical name or commercial name : Palladium Colloid

Type of product : Material for immunochromatography

Ingredients and composition : -

Formula : -

CAS-No. : -

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**【4】 FIRST AID MEASURES**

- Inhalation : Remove the victim to fresh air. Blow nose and gargle  
 Skin contact : Wash the affected areas under running water.  
 Eye contact : Wash the affected areas under running water.  
 Ingestion : Give the victim one or two glasses of water. If necessary get medical treatment.

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**【5】 FIRE-FIGHTING MEASURES**

- Extinguishing media : Water .This product is noncombustible.  
 Prohibited extinguishing media : None  
 Particular fire fighting : Move containers from fire area if it can be done without risk, if not possible, apply water from a safe distance to cool and protect surrounding area.  
 Protection for firefighters : Firefighters should wear protective equipment.

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**【6】 ACCIDENTAL RELEASE MEASURES**

- Special procedures for leaks : None. There are no environmental risks associated with this material.  
 Cautions for personnel : If necessary, wear proper equipment and avoid contact with skin and inhalation of vapor.  
 Cautions for environmental : Nothing particular  
 Removal measures : Absorb spill with paper or cloth.

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**【7】 HANDLING AND STORAGE**

- Handling  
 Engineering measures : If necessary, wear proper protective equipment not to contact with skin or inhale the vapor.  
 Must be kept in a sealed glass container and handled carefully to prevent the container from falling.  
 Storage  
 Adequate storage condition : Avoid direct sunlight. Store at room temperature. Do not allow to freeze. Make sure the container is tightly sealed and kept in a secure place where it cannot fall.  
 Safety adequate container materials : Glass

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**【8】 EXPOSURE CONTROL/PERSONAL PROTECTION**

- Engineering measures : Use only with adequate ventilation and in closed systems.  
 Control parameters  
 ACGIH(2009) : Not applicable  
 Protective equipment  
 Respiration protective equipment : Not necessary  
 Hands protective equipment : If necessary, wear gloves.  
 Eyes protective equipment : If necessary, wear goggles.

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**【9】 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: Liquid
Color	: Black
Odor	: None
pH	: 8.5~9.5
Boiling point	: 100°C
Melting point	: No data
Flash point	: No data
Specific gravity	: No data
Solubility	: Water-soluble

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**【10】 STABILITY AND REACTIVITY**

Stability	: Stable under normal usage
Incompatible conditions	: Light
Incompatible materials	: None

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**【11】 TOXICOLOGICAL INFORMATION**

Acute toxicity, Oral	: Out of category
Acute toxicity, Dermal	: Not possible to classify because of insufficient data
Inhalation (gas)	: Not possible to classify because of insufficient data
Inhalation (dust, mist)	: Not possible to classify because of insufficient data
Skin corrosiveness	: Not possible to classify because of insufficient data
Irritation to skin, eyes	: Out of category
Respiratory sensitization or skin sensitization	
Respiratory sensitization	: Not possible to classify because of insufficient data
Skin sensitization	: Not possible to classify because of insufficient data
Mutagenicity	: Not possible to classify because of insufficient data
Carcinogenic effects	: Not possible to classify because of insufficient data
Effects on the reproductive system	
	: Not possible to classify because of insufficient data
Specific target organ systemic toxicity(Single exposure)	
	: Not possible to classify because of insufficient data
Specific target organ systemic toxicity(repeated exposure)	
	: Not possible to classify because of insufficient data
Aspiration hazard	: Not possible to classify because of insufficient data

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**【12】 ECOLOGICAL INFORMATION**

Ecotoxicity	
Fish toxicity	
Acute aquatic toxicity	: Out of category
Chronic aquatic toxicity	: Out of category

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**【13】 DISPOSAL CONSIDERATIONS**

Residual disposal	: Dilute with copious water and adjust the pH of the solution. After that, flush in drains.
	: Or entrust approved waste disposal companies with the disposal.
Containers	: In case of disposal of empty bottles, dispose bottles after removing the content thoroughly.

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**【14】 TRANSPORT INFORMATION**

UN class : Not applicable  
UN-Number: : Not applicable

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**【15】 REGULATORY INFORMATION**

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

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**【16】 OTHER INFORMATION**

References : Handbook of 15710 Chemical Products, The Chemical Daily co.

The information contained herein is based on several references and the present state of our knowledge. However, the SDS does not always cover all information about the product, handle the product carefully. The information is intended to ordinary usage, in case of particular handlings, conduct appropriate safety measurements. The information herein is only provision of information , and it does not represent a guarantee the properties of the product