

Prepared date: 25 June 2019 Revised date: 1 September 2024

Safety Data Sheet

[1] PRODUCT AND COMPANY INFORMATION

Product name Gold Colloid AuH1 (50 nm)

Gold Colloid AuH2 (40 nm)

Manufacturer's name Morinaga BioScience, Inc.

Address 2-1-1 Shimosueyoshi, Tsurumi-ku, Yokohama-shi, 230-8504, Japan

Section Quality assurance division

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SDS No. GHS-AU-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

: Gold Colloid

Type of product : Material for immunochromatography

Ingredients and composition : Formula : CAS-No. : -

[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.

[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.

[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.

[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

[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.

[9] PHYSICAL AND CHEMICAL PROPERTIES

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

[10] STABILITY AND REACTIVITY

Stability : Stable under normal usage

Incompatible conditions : Light Incompatible materials : None

[11] TOXICOLOGICAL INFORMATION

Acute toxicity, Oral Out of category

Acute toxicity, Dermal
Inhalation (gas)
Inhalation (dust, mist)

Not possible to classify because of insufficient data
Inhalation (dust, mist)

Not possible to classify because of insufficient data

Not possible to classify because of insufficient data

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

[12] ECOLOGICAL INFORMATION

Ecotoxicity
Fish toxicity

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

[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.

[14] TRANSPORT INFORMATION

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

[15] REGULATORY INFORMATION

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

[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