

## Material Safety Data Sheet

Version 1.0  
Date 07/07/2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Ts beads  
Product number : TAS8848 N1150  
Product uses : For in vitro research use  
Physical state : Suspension  
Company : Tamagawa Seiki Co., Ltd.  
Telephone : +81 265-21-0501  
Fax : +81 265-21-1896

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Name : Magnetic nanoparticles  
Composition : The magnetic nanoparticles consist of ferrite nanoparticles coated with polymer layer.  
CAS-No. :

The product contains no substances which at their given concentration, are considered to be hazardous to health.

### 3. HAZARDS IDENTIFICATION

Classification :  
Indication of danger : Not hazardous

### 4. FIRST AID MEASURES

#### General advice

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

Move person into fresh air.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Rinse thoroughly with plenty of water.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 5. FIRE-FIGHTING MEASURES

#### Suitable extinguishing media

Use water spray, dry chemical or carbon dioxide.

#### Special protective equipment for fire-fighters

Wear self-contained breathing apparatus for fire fighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions

Use personal protective equipment.

#### Methods for cleaning up

Soak up with inert absorbent material.

## 7. HANDLING AND STORAGE

### Handling

No special handling advice required.

### Storage

Keep in properly labeled containers. Keep in a cold and dark place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

#### Hand protection

Handle with gloves.

#### Eye protection

Safety glasses.

#### Skin and body protection

Personal protective clothing.

#### Hygiene measures

Avoid contact with skin, eyes and clothing. Wash hands after handling the product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	Liquid (Suspension)
Colour	Brown

### Safety data

pH	no data available
Melting point	no data available
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	insoluble

## 10. STABILITY AND REACTIVITY

### Storage stability

Stable under recommended storage conditions.

### Conditions to avoid

Avoid light.

### Hazardous decomposition products

No information available

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

No information available

### Potential Health Effects

No information available

**12. ECOLOGICAL INFORMATION**

**Elimination information (persistence and degradability )**

no data available

**Ecotoxicity effects**

no data available

**Further information on ecology**

no data available

**13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

**International transport regulations**

Not classified

**15. REGULATORY INFORMATION**

In accordance with local and national regulations

**16. OTHER INFORMATION**

**Further information**

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