

Material Safety Data Sheet

Issue Date 23/11/2015

1. Product and Manufacturer Information

Substance or preparation trade name: Gold nanoparticles
Unique reference numbers(s): GNP5/GNP10/GNP20/GNP40
Manufacturer name & address: Nano Biosols Ltd, Liverpool Science Park,
131 Mount Pleasant, Liverpool L3 5TF UK
Telephone: +44 (0)151 2302085
Website: www.nanobiosols.com

2. Composition

| Substance | % content | CAS Number |
|-----------------------|-----------|------------|
| Gold colloid in water | 0.005 | 7440-57-5 |

3. Hazards Identification

Most important hazards: None identified at these concentrations.
Specific hazards:

4. First aid measures

Skin contact: Flush with copious amounts of water.
Eye contact: Flush with copious amounts of water
Ingestion: Wash out mouth with copious amounts of water

5. Fire fighting measures

Suitable extinguishing media: Water/carbon dioxide/foam
Required special protective equipment for fire-fighters: None

6. Accidental release measures

Environmental precautions:
(Methods for spillage) Adsorb on tissues. Dispose as solid chemical waste or incinerate.

7. Handling and storage

Handling: Avoid contact with eyes or skin and clothing
Storage: Store at 5 °C. Do not freeze.

8. Exposure Controls

Personal protection equipment: Safety goggles, nitrile gloves, lab coat.

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9. Physical and chemical properties

| | |
|-------------|----------------------|
| Appearance: | Ruby coloured liquid |
| Odour: | None |
| pH: | 7 |
| Flashpoint: | N/A |
| Solubility: | Soluble |

10. Stability and reactivity

| | |
|-----------------------------------|-----------|
| Stability | Stable |
| Hazardous decomposition products: | Not known |

11. Toxicological information

Excessive exposure may affect human health as follows:

| | |
|-----------------------|---|
| Skin contact: | Gold compounds can cause contact dermatitis or irritation |
| Eye contact: | May cause eye irritation |
| Inhalation/ingestion: | May be harmful if swallowed. |

12. Ecological information

No data available

13 Disposal Considerations

Solid waste may be incinerated. Soluble waste should be washed away with copious amounts of water

14. Transport information

Non-hazardous for road, sea and air transport