

# Material Safety Data Sheet

Issue Date 23/11/2015

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## 1. Product and Manufacturer Information

Substance or preparation trade name: Goat anti Rabbit IgG Gold nanoparticles  
Unique reference numbers(s): GAR5/GAR1010/GAR20/GAR40  
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
Goat antibody	0.002	None
Gold colloid	0.01	7440-57-5
Sodium chloride	1	7647-14-5
Tris base	0.2	77-86-1
Albumin (bovine)	1	9048-46-8
Sodium azide	0.1	26628-22-8
Water	97.6	7732-18-5

## 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.

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## 8. Exposure Controls

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

## 9. Physical and chemical properties

Appearance:	Ruby coloured liquid
Odour:	None
pH:	8.2
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