

Material Safety Data Sheet

Issue Date 23/11/2015

1. Product and Manufacturer Information

Substance or preparation trade name: Goat anti Human IgG Gold nanoparticles
Unique reference numbers(s): GAH5/GAH1010/GAH20/GAH40
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.

Material Safety Data Sheet

Issue Date 23/11/2015

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