



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

Revision date: 13/2/2019  
Version: 11  
Language: en-GB,IE  
Date of print: 11/9/2019

## Immunoglobulin G FS Reagent R1

Material number 1 7212 R1

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name: Immunoglobulin G FS Reagent R1  
As part of the kits: 1 7212 XX XX XXX  
(The positions X code different packages.)

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Reagent for in-vitro diagnostics in human samples  
For professional use only

#### 1.3 Details of the supplier of the safety data sheet

Company name: DiaSys Diagnostic Systems GmbH  
Street/POB-No.: Alte Strasse 9  
Postal Code, city: 65558 Holzheim  
WWW: <http://www.diasys.de>  
E-mail: [mail@diasys.de](mailto:mail@diasys.de)  
Telephone: +49 (0) 6432-9146-0  
Telefax: +49 (0) 6432-9146-32  
Department responsible for information:  
Corporate headquarters, Telephone: +49 (0) 6432-9146-0, Email: [mail@diasys.de](mailto:mail@diasys.de)

#### 1.4 Emergency telephone number

Infraserv, Telephone: +49 (0) 69-305-6418

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

#### 2.2 Label elements

##### Labelling (CLP)

Hazard statements: not applicable

Precautionary Statements:  
not applicable

#### 2.3 Other hazards

No risks worthy of mention.

Results of PBT and vPvB assessment:  
No data available

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**SECTION 3: Composition / information on ingredients**

3.1 Substances: not applicable

**3.2 Mixtures**

Chemical characterisation: Aqueous solution

Additional information: Contains Polyethylene glycol. The maximum workplace exposure limits are, where necessary, listed in section 8.

Contains Sodium azide (0.95 g/L) as preservative.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.

Following skin contact: Change contaminated clothing. Remove residues with water. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing: Rinse mouth thoroughly with water. Induce vomiting.  
Have victim drink large quantities of water, with active charcoal if possible. Seek medical attention.

Never give anything by mouth to an unconscious person.

**4.2 Most important symptoms and effects, both acute and delayed**

After eye contact: May cause irritations.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media:

Product is non-combustible. Extinguishing materials should therefore be selected according to surroundings.

**5.2 Special hazards arising from the substance or mixture**

Fires in the immediate vicinity may cause the development of dangerous vapours.

In case of fire may be liberated: Nitrogen oxides (NOx), carbon monoxide and carbon dioxide.

**5.3 Advice for firefighters**

Special protective equipment for firefighters:

Wear self-contained breathing apparatus.

Additional information: Hazchem-Code: -

Do not allow fire water to penetrate into surface or ground water.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Do not breathe vapours. Avoid contact with skin and eyes. Wear appropriate protective equipment.

Provide adequate ventilation.

**6.2 Environmental precautions**

Do not allow to penetrate into soil, waterbodies or drains.

**6.3 Methods and material for containment and cleaning up**

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder.

Store in special closed containers and dispose of according to ordinance. Wash spill area with plenty of water.

**6.4 Reference to other sections**

Refer additionally to section 8 and 13.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Advices on safe handling: Do not breathe vapours. Avoid contact with skin and eyes.

Keep all containers, equipment and working place clean. Wear appropriate protective equipment.

Provide adequate ventilation, and local exhaust as needed.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storerooms and containers:

Keep containers tightly closed and at a temperature between 2 °C and 8 °C.

Protect from light. Keep sterile.

**7.3 Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Additional information: Contains no substances with occupational exposure limit values.

**8.2 Exposure controls**

Provide good ventilation and/or an exhaust system in the work area.

**Personal protection equipment**

**Occupational exposure controls**

Respiratory protection: If vapours form, use respiratory protection.

Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection: Protective gloves according to EN 374.

Glove material: Nitrile rubber.

Breakthrough time: >480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

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Eye protection: Tightly sealed goggles according to EN 166.  
Body protection: Lab coat  
General protection and hygiene measures:  
When using do not eat or drink.  
Do not breathe vapours. Avoid contact with skin and eyes.  
Change contaminated clothing.  
Wash hands before breaks and after work.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: liquid  
Colour: colourless, clear  
Odour: like polyethylene oxide adduct  
Odour threshold: No data available  
pH value: at 25 °C: 7.5  
Melting point/freezing point: No data available  
Initial boiling point and boiling range: No data available  
Flash point/flash point range: not combustible  
Evaporation rate: No data available  
Flammability: No data available  
Explosion limits: No data available  
Vapour pressure: No data available  
Vapour density: No data available  
Density: at 20 °C: 1.019 g/mL  
Water solubility: completely miscible  
Partition coefficient: n-octanol/water: No data available  
Auto-ignition temperature: No data available  
Decomposition temperature: No data available  
Viscosity, kinematic: No data available  
Explosive properties: No data available  
Oxidizing characteristics: No data available

### 9.2 Other information

Additional information: No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

refer to 10.3

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

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### 10.4 Conditions to avoid

Protect against heat /sun rays.

### 10.5 Incompatible materials

Strong acids, alkalis

### 10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition: No data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects: Acute toxicity (oral): Lack of data.  
Acute toxicity (dermal): Lack of data.  
Acute toxicity (inhalative): Lack of data.  
Skin corrosion/irritation: Lack of data.  
Serious eye damage/irritation: Lack of data. May cause irritations.  
Sensitisation to the respiratory tract: Lack of data.  
Skin sensitisation: Lack of data.  
Germ cell mutagenicity/Genotoxicity: Lack of data.  
Carcinogenicity: Lack of data.  
Reproductive toxicity: Lack of data.  
Effects on or via lactation: Lack of data.  
Specific target organ toxicity (single exposure): Lack of data.  
Specific target organ toxicity (repeated exposure): Lack of data.  
Aspiration hazard: Lack of data.

Other information: Contains Sodium azide (0.95 g/L):  
After resorption of toxic quantities: headache, dizziness, nausea, cough, vomiting, spasms, breathing paralysis, CNS disorders, low blood pressure, cardiovascular failure, unconsciousness, collapse.

### Symptoms

After eye contact: May cause irritations.

## SECTION 12: Ecological information

### 12.1 Toxicity

Further details: No data available

### 12.2 Persistence and degradability

Further details: No data available



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### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Waste key number: 16 05 06\* = Laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals.

\* = Evidence for disposal must be provided.

Recommendation: Special waste. Dispose of waste according to applicable legislation.

#### Contaminated packaging

Waste key number: 15 01 02 = Plastic packaging

Recommendation: Dispose of waste according to applicable legislation.  
Non-contaminated packages may be recycled.

## SECTION 14: Transport information

### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:

Not restricted

### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR:

not applicable

### 14.5 Environmental hazards

Marine pollutant: no



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### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations - Great Britain

Hazchem-Code: -  
No data available

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Reason of change: General revision  
Date of first version: 9/1/2008

### Department issuing data sheet

Contact person: see section 1: Department responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.