

# Material Safety Data Sheet

According to 91/155 EEC

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This Material Safety Data Sheet applies to all the GEN-PROBE DIACLONE Dual Color Monoclonal Antibodies (FITC/PE conjugated)

## 1/ Data on components

Regarding components comprised in the vial, the following products are defined as hazardous chemical according to Directive 67/548/EEC

Accordingly, Material Safety Data Sheet(s) for the following chemical(s) are enclosed:

**Fluorescein Isothiocyanate Isomer I:** is used to label Monoclonal Antibody

**Sodium Azide:** at a final concentration of 0,1 % is used as a preservative in the buffer.

**BSA:** Bovine Serum Albumine from a certified, BSE- free northamerican source at a final concentration of 1% is used in the buffer.

Other chemical contained within these products do not meet definition of a hazardous chemical according EC Directives.

## 2/ General information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. GEN-PROBE DIACLONE SAS shall not be liable for any damages resulting from handling or from contact with the above products.

### Section 1 - Identification of substance

**Product Identification:** Dual Color Monoclonal Antibodies FITC/PE conjugated

**Manufacturer:** GEN-PROBE DIACLONE SAS  
1, Bd Fleming  
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France

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### Section 2 - Data on components

**Chemical characterization:** Preparation

Hazardous ingredients:	%	CAS Number	EC Number
Fluorescent Isothiocyanate Isomer I	< 5%	3326-32-7	222-042-0
		R 20-21-22/36-37-38/42-43; S 26	
Sodium Azide	0,1%	26628-22-8	247-852-1
		T+ ; N 28-32-50/53	

**Additional information:**

The data and advice relate to the concentrations of prepared solution

### Section 3 - Hazard Identification

**Hazard Description:** not applicable

**Information concerning to particular hazards to man and environment:** not applicable

### Section 4 - First Aid Measures

**After inhalation** Supply fresh air; consult doctor in case of complaints

**After skin contact** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

**After eye contact** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lid.

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**After ingestion** Allow the victim to rinse his mouth and then drink 2-4 cupfuls of water, and seek medical advice.

## Section 5 - Fire Fighting Measures

### **Suitable extinguishing agents**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Protective equipment** No special measures required

## Section 6 - Accidental Release Measures

**Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.**

### **Measures for environmental protections**

Prevent seepage into sewage system, workpits and cellars.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

### **Measures for cleaning / collecting**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Use neutralizing agent.

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

## Section 7- Handling and storage

### **Handling:**

**Information for safe handling:** Avoid contact with eyes, skin and clothing. Keep container tightly closed. Use with adequate ventilation.

**Information about fire - and explosion protection:**

The product listed in this MSDS contains sodium azide, a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, concentration build-ups of sodium azide may react with lead and copper plumbing to form highly explosive metal oxides. Flush with large volumes of water to prevent azide build-up in plumbing.

### **Storage:**

**Requirement to be met by storerooms and receptacles:** Store in a cool, dry, well-ventilated area.

**Information about storage in one common storage facility:** Keep in tightly closed container.

**Further information about storage conditions:** None

### **Storage class:**

Class according to regulation on flammable liquids: void

## Section 8 - Exposure Controls / Personal Protection

**Additional information about design of technical facilities:** No further data; see section 7

### **Ingredients with limit values that require monitoring at the workplace**

The product does not contain any relevant quantities of material with critical values that have to be monitored at the workplace.

### **Personal protective equipment**

#### **General protective and hygienic measures**

The usual precautionary measures are to be adhered to when handling chemicals

**Respiratory protection:** Not required

**Protection of hands:** Protective gloves

**Eye Protection:** Goggles recommended during refilling

## Section 9 - Physical and Chemical Properties

**Form:** Liquid

**Colour:** very pale white pink

**Odour:** Odourless

**Melting point/Melting range:** N/A

**Boiling point/Boiling range:** N/A

**Flash point:** Not applicable

**Autoignition temperature:** N/A

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**Danger of explosion:** Product does not present an explosion hazard

**Density:** N/A

**Solubility in / Miscibility with**

water : fully miscible

## Section 10 - Stability and Reactivity

**Thermal decomposition:** No decomposition if used according to specifications

**Reactivity and under what conditions:** Incompatible with alcohols, bases, amines, acides.

**Dangerous decomposition products:**

Toxic fumes of carbon monoxide, carbon dioxide and nitrous oxides.

## Section 11 - Toxicological Information

**Route of entry:** Skin Contact, Eye contact, Inhalation, Ingestion

**Effects of acute exposure to Product:**

Nocif in case of ingestion, inhalation or skin contact.

Irritant effect on the skin, and eyes.

**Effects of chronic exposure to Product:**

Long term exposure may cause asthma, nausea, dizziness and headache.

Exposure Limits	Irritancy	Sensitization To Product	Carcinogenicity
N/A	N/A	N/A	N/A
Teratogenicity	Reproductive Toxicity	Mutagenicity	Synergistic Products
N/A	N/A	N/A	N/A

## Section 12 - Ecological Information

**General Notes:** Information not yet available

## Section 13 - Disposal considerations

**Waste disposal:** dispose of in accordance with local official environmental regulations

## Section 14 - Transport Information

**Special shipping information:** N/A

## Section 15 - Regulations

**Labelling according to European labelling guidelines:**

Observe the general safety regulations when handling chemicals.

## Section 16 - Other information

This information is prepared on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Prepared by:** Marketing Department

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