



## Material Safety Data Sheet

According to 91/155 EEC

This Material Safety Data Sheet applies to all the DIACLONE ELISpot kits (mono-cytokine detection)

### 1/ Data on components

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

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

**BCIP / NBT** is used as liquid alkaline phosphatase substrate system.

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

**Note: BSA Bovine Serum Albumine from a certified BSE-free north american source is comprised in the kit.**

### 2/ General information

The above information is believed to be correct but does not purport to be al 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:** ELISpot kit  
Ready-to-use BCIP/NBT substrate buffer

**Manufacturer:** DIACLONE SAS  
1, Bd Fleming  
F-25000 Besançon  
France

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#### Section 2 - Data on components

**Chemical characterization:** Preparation

Hazardous ingredients:	%	CAS Number	EC Number
BCIP (5-Bromo-4-chloro-3 indoxyl phosphate)	0,03 % w/v	6578-06-9	229-506-1
		Xi R 36/37/38	
NBT (Nitro blue tetrazolium chloride)	0,06% w/v	298-83-9	206-067-4
		Xn R 20/21/22-68	

#### Section 3 - Hazard Identification

**Hazard Description:** harmful  
Irritating to eyes, respiratory system and skin  
Harmful if swallowed, inhaled or absorbed through skin.  
Avoid contact with metals.  
Air and light sensitive  
Refrigerate for best storage

#### Section 4 - First Aid Measures

**After skin contact:** Flush skin with plenty of 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.

**After ingestion** Do not induce vomiting; allow the victim to rinse his mouth and then drink 2-4 cupfuls of water, and seek medical advice.

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## Section 5 - Fire Fighting Measures

### Suitable extinguishing agents

Use dry chemical, carbon dioxide 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:** Not required.

### Measures for environmental protections:

Evacuate area and ventilate area.

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Absorb on sand or vermiculite and place in closed containers for waste disposal.

Avoid splashing.

## Section 7- Handling and storage

Refer to section 8.

## Section 8 - Exposure Controls / Personal Protection

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

Chemical safety goggles.

Use only in a chemical fume hood.

Compatible resistant gloves.

Avoid any skin or clothing contact.

Wash thoroughly after handling.

Keep tightly closed and refrigerate.

## Section 9 - Physical and Chemical Properties

**Form:** Liquid

**Colour:** Clear to very pale yellow solution

**Odour:** Odourless

**Melting point/Melting range:** 0°C (water)

**Boiling point/Boiling range:** 100°C (water)

**Flash point:** Not applicable

**Autoignition temperature:** N/A

**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:**

Incompatibles with bases, amines, alkali metals, copper, copper alloys

**Hazardous decomposition products**

Toxic fumes of carbon monoxide, carbon dioxide, nitrous oxides, hydrogen chloride gas, hydrogen bromide gas, phosphorous oxides.

## Section 11 - Toxicological Information

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

**Effects of acute exposure to Product:**

Harmful if swallowed, inhaled or absorbed through skin. Cause eyes and skin irritation.

Material is irritating and destructive to tissue of the mucous membranes and upper respiratory tract.

**Effects of chronic exposure to Product:**

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly tested.

## Section 12 - Ecological Information

**General Notes:** N/A

## Section 13 - Disposal considerations

**Waste disposal:**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.

Observe all local official environmental regulations.

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### Section 14 - Transport Information

**Special shipping information:**

Does not need to be shipped as hazardous.

### 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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