

Material Safety Data Sheet

According to 91/155 EEC

This Material Safety Data Sheet applies to all the GEN-PROBE DIACLONE **Enzymatic ELISpot kit**
(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 Enzymatic kit <u>Ready-to-use BCIP/NBT substrate buffer</u>
Manufacturer:	GEN-PROBE DIACLONE SAS 1, Bd Fleming F-25000 Besançon France
	Tel: +33 3 81 41 38 38 Fax: +33 3 81 41 36 36 e-mail: diaclone@gen-probe.com www.gen-probe.com

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
		<u>Xi R 36/37/38</u>	
NBT (Nitro blue tetrazolium chloride)	0,06% w/v	298-83-9	206-067-4
		<u>Xn R 20/21/22-68</u>	

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.

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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.

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Observe all local official environmental regulations.

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

Phone N°:+33 3 81 41 38 38

Date: 01 August 2010