

Material Safety Data Sheet

According to 91 / 155 EEC

Handling and disposal of the product under normal laboratory conditions does not constitute a risk to personnel or environment.

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:

ProClin 300 : at a final concentration from 0.01-0.1% is used as preservatives in the following components of the kit : Streptavidin-HRP

TMB (Tetramethylbenzidine) is used as chromogen in the TMB solution

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: **All GEN-PROBE DIACLONE ELI –Pairs kits**

Cat- n° : 851 / 861 / 872

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: diacclone@gen-probe.com

www.gen-probe.com

Section 2 – Data on Components

Component	Ingredient	%	CAS Number	EC Number	Classification (pure ingredient)
Capture Antibody	-	-	-	-	Not Hazardous
Standards	-	-	-	-	Not Hazardous
Biotin detection Antibody	-	-	-	-	Not Hazardous
Streptavidin- HRP	ProClin 300	0.1%	55965-84-9	203-821-4	C:R20/21/22-34-43 N:R51/53
Substrate Solution: TMB 3,3',5,5'-Tetramethylbenzidine	triethylenetetramine	0.001%	54827-17-7	259-364-6	Xi: R36-37/38

Additional information

The data and advice relate to the concentrations not of the lyophilized powder, but of the prepared solution.

Section 3 – Hazard Identification

Hazard Description :others : not applicable.

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

Section 4 - First Aid Measures

General information: No special measures required.

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

After skin contact Generally the product does not irritate the skin.

After eye contact Rinse opened eye for several minutes under running water.

After ingestion If symptoms persist consult doctor. Do not induce vomiting

Section 5 – Fire Fighting Measures

Suitable extinguishing agents.

CO₂, 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: Not required.

Measures for environmental protections : 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).

Section 7 – Handling and storage

Handling:

Information for safe handling: Avoid breathing dust, vapour, mist or gas. Avoid contact with eyes, skin and clothing. Keep container tightly closed. Use with adequate ventilation.

Information about fire - and explosion protection:

Not special measures required

Storage:

Requirement to be met by storerooms and receptacles: Store in a cool, dry, well ventilated area away from incompatible substances. Keep away from metal.

Information about storage in one common storage facility: Not required

Further information about storage conditions: None

Storage class: Store product and all components at 2-8°C

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:

Components	Ingredients	Colour
Capture Antibody	-	
Standard	-	
Biotin Detection Antibody	-	
Streptavidin-HRP	ProClin 300	Colourless
Substrate TMB		Clear

Odour: Odourless

Melting point/Melting range: N/A

Boiling point/Boiling range: N/A

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.

Dangerous reaction : Incompatible with bases, amines, alkali metals, copper, copper alloys (TMB)

Dangerous decomposition products: Toxic fumes of oxides of carbon monoxide, carbon dioxide, nitrous oxides, hydrogen chloride gas, hydrogen bromide gas, phosphorous oxides (TMB)

Section 11 - Toxicological Information

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

Effects of acute exposure to Product: May be harmful if inhaled, swallowed or absorbed through the skin.

Effects of chronic exposure to Product: N/A

Exposure Limits : N/A

Irritancy : N/A

Sensitization to Product: N/A

Carcinogenicity : N/A

Terratogenicity: N/A

Reproductive Toxicity: N/A

Mutagenicity: N/A

Synergistic Products : N/A

Section 12 – Ecological Information

General Notes: generally not hazardous for water

Section 13 – Disposal Considerations

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

Section 14 – Transportation Information

Special shipping information: N/A

Section 15 – Regulations

Labelling according to European labelling guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EC Directives.

Section 16 – Other Information

This information is prepared on our present and best 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

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