

MATERIAL SAFETY DATA SHEET

Section 1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product Identifier:

Product Name: Peroxidase Conjugates

Product Code: APs, MPs, PPs and custom ordered Peroxidase Conjugates

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

Identified uses Laboratory chemicals

1.3 Details of the supplier of the safety data sheet:

The Binding Site Group Ltd
8 Calthorpe Road
Edgbaston
Birmingham
B15 1QT
United Kingdom

1.4 Emergency Telephone: Tel: + 44 (0)121 456 9696 (09.00 – 17.00)

Email: technical.services@bindingsite.co.uk

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Skin Sensitiser Category 1

Classification according to EU Directive 1999/45/EC

May cause sensitization by skin contact

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]



WARNING

Hazard statement(s):

H317: May cause an allergic skin reaction

Precautionary statement(s):

P280 – Wear protective gloves / protecting clothing / eye protection / face protection

Supplemental Hazard Statements: none

Labelling according to European Directive 1999/45/EC

R43: May cause sensitisation by skin contact.

2.3 Other hazards

None known

Section 3 **Composition, Information on Ingredients****3.1 Mixtures**

The conjugates contain the following chemical as a preservative:

Component	Conc. %	CAS No	EINECS No
Proclin 300 contains: Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1);	0.05%	55965-84-9	613-267-00-5

Section 4 **First Aid Measures****4.1 Description of First Aid Measures**

Eyes: If in eyes, rinse cautiously with water for several minutes.

Skin: If on skin, wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs get medical advice

Ingestion: Wash out mouth with water.

Inhalation: Remove from exposure to fresh air.

4.2 Most important symptoms and effects, both acute and delayed

May cause skin sensitization in certain individuals

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

None known

Section 5 **Firefighting Measures****5.1 Extinguishing media**

Use water spray, alcohol resisting foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

None known

5.3 Advice for firefighters

As in any fire wear self-contained breathing apparatus and full protective gear.

Section 6 **Accidental Release Measures****6.1. Personal precautions, protective equipment and emergency procedures**

Use appropriate personal protective equipment to avoid contact with skin and eyes

6.2. Environmental precautions

No special precautions are required for the product in the volume supplied

6.3. Methods and material for containment and cleaning up

Absorb spill, clean up area and wash with water and an appropriate cleaning agent.

6.4. Reference to other sections

Refer to protective measures listed in Sections 8 and 13

Section 7 Handling & Storage

7.1. Precautions for safe handling

Wear Personal Protective Equipment. Avoid contact with clothing, skin and eyes. Wash hands thoroughly after handling. Remove contaminated clothing and wash before re-use.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored as per specific instructions shown on the label

7.3. Specific end use(s)

For laboratory use

Section 8 Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Limits

This product does not contain any hazardous materials with occupational exposure limits

8.2 Exposure Controls

Engineering Measures

Ensure adequate ventilation. Avoid prolonged or repeated exposure.

Personal Protective Equipment:

Eye protection: Wear safety glasses (EU standard – EN166)
Hand protection: Wear disposable nitrile gloves (EU standard EN 374)
Skin protection: Wear laboratory protective clothing with long sleeves

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance:	Liquid
b) Odour:	Odourless
c) Odour threshold:	Not applicable
d) pH:	Not applicable
e) Melting point/freezing point:	No information available
f) Initial boiling point and boiling range:	No information available
g) Flash point:	Not applicable
h) Evaporation point:	Not applicable
i) Flammability (solid/gas):	Not applicable
j) Explosive limits:	Not applicable
k) Vapour pressure:	No information available
l) Vapour density:	No information available
m) Relative density:	No information available
n) Solubility:	No information available
o) Partition coefficient (n-octanol/water):	No information available
p) Autoignition temperature:	No information available
q) Decomposition temperature:	No information available
r) Viscosity:	No information available
s) Explosive properties:	Not applicable
t) Oxidising properties:	Not applicable

9.2 Other information

No data available

Section 10 Stability and Reactivity

10.1 Reactivity

None known, based on information available

10.2 Chemical stability

Stable if stored as indicated

10.3 Possibility of hazardous reactions

Hazardous polymerisation will not occur

10.4 Conditions to avoid

None known

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

None known

Section 11 Toxicological Information

11.1 Information on toxicological effects

- a) **Acute toxicity:** Based on available data for Proclin 300, the classification are not met for any exposure route
- b) **Irritation:** Based on available data for Proclin 300, the classification are not met for any exposure route
- c) **Corrosivity:** Based on available data for Proclin 300, the classification is not met
- d) **Sensitisation:** Skin Sensitiser
- e) **Repeated dose toxicity:** Based on available data for Proclin 300, the classification is not met
- f) **Carcinogenicity:** Based on available data for Proclin 300, the classification is not met
- g) **Mutagenicity:** Based on available data Proclin 300, the classification is not met
- h) **Toxicity for reproduction:** Based on available data for Proclin 300, the classification is not met

Section 12 Ecological Information

12.1 Toxicity

Data not available for the mixture as supplied.

12.2 Persistence and degradability

Data not available for the mixture as supplied.

12.3 Bioaccumulative potential

Data not available for the mixture as supplied.

12.4 Mobility in soil

Data not available for the mixture as supplied.

12.5 Results of PBT and vPvB assessment

Data not available for the mixture as supplied.

12.6 Other adverse effects

None known

Section 13 **Disposal Considerations**

13.1 Waste treatment methods

Dispose of product in accordance with local regulations.

All non-contaminated packaging materials and inserts can be recycled.

Section 14 **Transport Information**

This product is not classified as hazardous for transport.

Section 15 **Regulatory Information**

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

No data available

15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this mixture

Section 16 **Other Information**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Creation date: 26 August 2014

Revision date: N/A

Revision Number: N/A

Revision Summary: N/A

Key to abbreviations used:

CAS Chemical Abstracts Service

EINECS European Inventory of Existing Commercial Substances

TWA Time Weighted Average

STEL Short Term Exposure Limit

PBT Persistent, Bio-accumulative, Toxic

vPvB very Persistent, very Bio-accumulative

PPE: Personal Protective Equipment

Key literature references and sources for data – SDS from supplier for Proclin 300

Method of evaluating classification for the mixture according to regulation (EC) 1272/2008 (CLP):

Table 3.1 - List of harmonised classification and labelling of hazardous substances, specific concentration limits

R phrases referred to in section 2

R43: May cause sensitisation by skin contact.

H statements referred to in section 2

H317: May cause an allergic skin reaction

Precautionary statements referred to in section 2

P280 – Wear protective gloves / protecting clothing / eye protection / face protection

Training advice

Chemical hazard awareness training including labelling, safety data sheets, PPE and hygiene

This information is believed to be correct and is provided as a guide for safe handling, use, storage and disposal by the user of the specific product shown. The Binding Site Group Ltd will not be held liable for any damage resulting from handling or from contact with the product.