

## SAFETY DATA SHEET

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

#### 1.1 Product Identifier:

**Product Name:** Latex components in Nephelometric and Turbidimetric kits including MININEPH Kits, MININEPHPLUS Kits, SPAPLUS Kits & Optilite Kits (except in LK001.H, LK008.H, LK008.CB, LK009.H, LK009.CB, LK014.S, LK043.T, LK044.S, LK055.S, LK098.S, LK117.T, LK151.S, LK151.OPT, ZK043.L.R, ZK151.L.R, ZK189.L.R)

**Product Code:** LAs, NAs, VAs, ZAs, Rs

#### 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 9596 (09.00 – 17.00)

Email: [technical.support@bindingsite.co.uk](mailto:technical.support@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

P333 + 313 - If skin irritation or rash occurs: Get medical advice/attention

**Supplemental Hazard Statements:** none

**Labelling according to European Directive 1999/45/EC**

R43: May cause sensitisation by skin contact.

## 2.3 Other hazards

The components contain sodium azide as a preservative at a concentration of <0.1% which means it does not affect hazard classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]. However, sodium azide can react with metal drain pipes or surfaces (such as lead, copper, brass or solder) and on laboratory instruments, where the chemical may be concentrated due to leakage, spills and splashes.

It can also occur as a result of improper waste disposal or improper storage of instrument parts exposed to the chemical

Failure to follow proper flushing procedures when disposing of solutions containing sodium azide down drain lines, increases the likelihood of an explosion.

It is recommended that waste should be contained in plastic receptacles intended for hazardous materials or if disposing using the sewer system, flush sodium azide solutions with at least 100-fold excess of water

## **Section 3**    **Composition, Information on Ingredients**

### 3.2 Mixtures

The latex components contain the following chemicals as preservatives:

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
Benzamidine	0.01% (max)	1670-14-0	216-795-4
E-Amino-N-Caproic Acid (EACA)	0.1% (max)	60-32-2	200-469-3
Sodium Azide	0.099% (max)	26628-22-8	247-852-1

## **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 contained in the instructions for use provided in the kit.

### **7.3. Specific end use(s)**

For laboratory use as part of a Binding Site Nephelometric/Turbidimetric immunodiagnostic kit

## **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:                              | Milky coloured 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:	Miscible in water
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

- Acute toxicity:** Based on available data for Proclin 300, the classification are not met for any exposure route
- Irritation:** Based on available data for Proclin 300, the classification are not met for any exposure route
- Corrosivity:** Based on available data for Proclin 300, the classification is not met
- Sensitisation:** Skin Sensitiser
- Repeated dose toxicity:** Based on available data for Proclin 300, the classification is not met
- Carcinogenicity:** Based on available data for Proclin 300, the classification is not met
- 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**

The components contain sodium azide - explosive metal azides may be formed with lead or copper plumbing; on disposal of liquid reagent, flush with a large volume of water to prevent azide build up. (Also refer to section 2.3)

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: 04 February 2015

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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 CAS# 55965-84-9

**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

P333 + 313 - If skin irritation or rash occurs: Get medical advice/attention

**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.