

SAFETY DATA SHEET

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

1.1 Product Identifier:

Product Name: Alkaline Wash Solution for SPA_{PLUS}

Product Code: SP2208

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.support@bindingsite.com

Section 2 Hazards Identification

2.1 Classification of the substance or mixture

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

Serious eye damage Category 1

2.2 Label elements

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



WARNING

Hazard statement(s):

H318: Causes serious eye damage

H319: Causes serious eye irritation

Precautionary statement(s):

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

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 – Immediately call a POISON Center or doctor/physician.

Supplemental Hazard Statements: none

2.3 Other hazards

None known

Section 3 **Composition, Information on Ingredients**

3.2 Mixtures

Component	Chemical Property	CAS No	EINECS No	Conc. %	Classification
Metal sealing agent	Carboxylic containing compound	64-02-8	200-573-9	≤20%	Acute Tox.4 H302 Eye Dam.1 H318

Section 4 **First Aid Measures**

4.1 Description of First Aid Measures

Eyes: If in eyes, rinse cautiously with water for at least 15 minutes. Seek medical attention.

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. Seek medical attention.

Inhalation: N/A

4.2 Most important symptoms and effects, both acute and delayed

May cause skin and eye irritation

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 on SPA_{PLUS} analyser

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.

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:	Colourless transparent liquid
b) Odour:	Odourless
c) Odour threshold:	Not applicable
d) pH:	11.1 ± 0.5
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. Material generates heat if in contact with acidic substance

10.3 Possibility of hazardous reactions

Metallic surfaces (other than stainless steel) may be affected

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Acidic substances

10.6 Hazardous decomposition products

None known

Section 11 **Toxicological Information**

11.1 Information on toxicological effects

- a) **Acute toxicity:** Based on available data, the classification are not met for any exposure route
- b) **Irritation:** Skin and Eye irritant (based on data for the nonionic surfactant: 500mg/24H – mild (rabbit))
- c) **Corrosivity:** Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
- d) **Sensitisation:** Based on available data, the classification is not met
- e) **Repeated dose toxicity:** Based on available data, the classification is not met
- f) **Carcinogenicity:** Based on available data, the classification is not met
- g) **Mutagenicity:** Based on available data, the classification is not met
- h) **Toxicity for reproduction:** Based on available data, 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 Bio accumulative 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. The mixture may be diluted with a large volume of water before disposal

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: 6th January 2015

Revision date: 25th January 2019

Revision Number: 3

Revision Summary: Amended header information including revision date and revision number. Removal of R Phrases. Inclusion of classifications of substances in section 3. Addition of H Phrases in section 16.

Key to abbreviations used:

CAS	Chemical Abstracts Service
EINECS	European Inventory of Existing Commercial Substances
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 the product. ECHA website CLP C & L inventory.

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

H statements referred to in section 2

H318: Causes serious eye damage

H319: Causes eye irritation

Precautionary statements referred to in section 2

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

H Statements referred to in section 3

H302: Harmful If swallowed

H318: Causes serious eye damage

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.