

## SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: **VASPFix** (catalogue no. PSR-003)

Version: 1

### Section 1. Identification of the substance or the mixture and of the supplier

#### 1.1 Product Identifier

Product identifier: VASPFix – PSR-003 (Contains: Sodium Azide)

Other identifiers: None

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

Product uses: Medical Research

#### 1.3 Details of the supplier of the safety data sheet

Company name: Platelet Solutions Ltd

Company address: The Sir Colin Campbell Building  
Triumph Road  
Nottingham  
NG7 2TU

Contact: E-Mail address: info@plateletsolutions.co.uk

Company phone: +44 (0)333 355 4091

#### 1.4 Emergency telephone number

Telephone: +44 (0)333 355 4091

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

H300, Acute toxicity, Oral (Category 2)

H312, Acute toxicity, Dermal (Category 4)

H332, Acute toxicity, Inhalation (Category 4)

H373, Specific target organ toxicity - repeated exposure, Oral (Category 2), Brain

H319, Eye irritation (Category 2)

H335, Specific target organ toxicity- single exposure (Category 3), Respiratory system

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 2.2 Label elements

### Labelling according Regulation (EC) No 1272/2008



Pictogram

Signal word: Danger

Hazard statement(s)

H300 + H312 Fatal if swallowed or in contact with skin

H319 Causes serious eye irritation

H332 Harmful if inhaled

H373 May cause damage to organs (Brain) through prolonged or repeated exposure if swallowed.

Precautionary statement(s)

P202 Do not handle until safety precautions are read and understood

P264 Wash hands and other contacted skin thoroughly after handling

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P301 + P310 + P331 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.

P302 + P352 + P310 IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER/doctor.

P391 Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard information (EU)

EUH032 Contact with acids liberates very toxic gas.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Sodium Azide may react with lead and copper plumbing to form highly explosive metal azides, rapidly absorbed through skin

## SECTION 3: Composition/information on ingredients

## 3.1 Substances

Component	Classification	Concentration
<b>Sodium azide</b>		
CAS-No. 26628-22-8 EC-No. 247-852-1	Acute Tox. 2; Acute Tox. 1; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H300, H310, H373, H400, H410 M-Factor - Aquatic Acute: 1	<= 100 %
<b>Sodium 3-<math>\alpha</math>,12-<math>\alpha</math>-dihydroxy-5-<math>\beta</math>-cholan-24-oate</b>		
CAS-No. 302-95-4 EC-No. 206-132-7	Acute Tox. 4; H302	<= 100 %
<b><math>\alpha</math>-[(1,1,3,3-Tetramethylbutyl)phenyl]-<math>\omega</math>-hydroxy-poly(oxy-1,2-ethanediyl)</b> Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH)		
CAS-No.. 9036-19-5	Acute Tox. 4; Eye Dam. 1; Aquatic Chronic 2; H302, H318, H411	<= 100 %
<b>4-(2-Amino-no-ethyl)benzensulfonyl Fluoride Hydrochloride</b>		
CAS-No. 30827-99-7	Skin Corr. 1B; H314 Eye Dam. 1; H318	>= 1 - < 3 %
<b>Trisodium tetraoxovanadate</b>		
CAS-No.. 13721-39-6 EC-No. 237-287-9	Acute Tox. 4; H302 + H312 + H332	<= 100 %
<b>Imidazole</b>		
CAS-No 288-32-4 EC-No. 206-019-2	Acute Tox. 4; Skin Corr. 1B; Repr. 1B; H302, H314, H360D	<= 100 %
<b>Sodium fluoride</b>		
CAS-No. 7681-49-4 EC-No. 231-667-8 	Acute Tox. 3; Skin Irrit. 2; Eye Irrit. 2; H301, H315, H319	<= 100 %

Hazards associated with this mixture refer to hazards identified in Section 2

## Section 4. First aid measures

### 4.1 Description of first aid measures

#### General advice

If exposed or concerned consult a physician. Show the safety data sheet to the doctor in attendance

**IF INHALED:** Move person to fresh air. If not breathing consult a physician

**IF ON SKIN:** Wash with plenty of soap and water, consult a physician

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing

**IF SWALLOWED:** Never give anything by mouth to an unconscious person. Rinse mouth with water, consult a physician

### 4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2)

### 4.3 Indication of any immediate medical attention or special treatment needed

No data available

## Section 5: Firefighting measures

### 5.1 Extinguishing Media

Suitable media: Carbon dioxide, Dry chemical, Foam

### 5.2 Special hazards arising from the substance or mixture

In case of fire, carbon oxides, sodium oxides, nitrogen oxides, vanadium oxides and hydrogen cyanide

### 5.3 Advice for fighters

In case of insufficient ventilation, wear suitable respiratory equipment

### 5.4 Further information

No data available

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid inhalation. Avoid breathing dust, vapours or mist. Ensure adequate ventilation. Avoid contact with skin and eyes. Evacuate personnel to safe areas. See protective measures under Section 7 and 8

### 6.2 Environmental precautions

Keep away from drains, surface and ground water, and soil. Discharge into the environment must be avoided.

### 6.3 Methods and material for containment and cleaning up

Provide adequate ventilation to avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of these according to local regulations

## 6.4 Reference to other sections

Also refer to sections 8 and 13

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid exposure to skin and eyes. Avoid inhalation of vapour. Use personal protective equipment as required. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Use explosion-proof electrical, ventilating and lighting equipment. Do not store near acids.

### 7.3 Specific end use(s)

Research applications to include medical research. For in vitro use only. Use in accordance with good manufacturing and industrial hygiene practices.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

Components	Control parameters	Basis
<b>Sodium azide</b> CAS-No. 26628-22-8	0.1mg/m <sup>3</sup>	UK. EH40 WEL – Workplace Exposure Limits
	0.1mg/m <sup>3</sup>	Europe. Commission Directive 2000/39/EC-exposure limit values
	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.	
<b>Sodium 3-<math>\alpha</math>,12-<math>\alpha</math>-dihydroxy-5-<math>\beta</math>-cholan-24-oate</b> CAS-No. 302-95-4	Contains no substances with occupational exposure limit values	
<b><math>\alpha</math>-[(1,1,3,3-Tetramethylbutyl)phenyl]-<math>\omega</math>-hydroxy-poly(oxy-1,2-ethanediyl)</b>	Contains no substances with occupational exposure limit values	

Components	Control parameters	Basis
<b>4-(2-Amino-no-ethyl)benzensulfonyl Fluoride Hydrochloride</b>  <b>Polyethylene glycol</b> CAS-No. 25322-68-3	1.000mg/m <sup>3</sup>	DE TRGS 900
	Senate commission for the review of compounds at the work place, dangerous for the health (MAK-commission)., When there is compliance with the OEL and biological tolerance values, there is no risk to the unborn child	
<b>Trisodium tetraoxovanadate</b> CAS-No.13721-39-6	Contains no substances with occupational exposure limit values	
<b>Imidazole</b> CAS-No. 288-32-4	Contains no substances with occupational exposure limit values	
<b>Sodium fluoride</b> CAS-No. 7681-49-4	2.5mg/m <sup>3</sup>	UK. EH40 WEL – Workplace Exposure Limit
	2.5mg/m <sup>3</sup>	Europe. Commission Directive 2000/39/EC, occupational exposure limit values
	Where no specific short-term exposure limit is listed, a figure of three times the long-term exposure should be used	

## 8.2 Exposure Controls

### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### Personal protective equipment

#### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

## Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator for higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Control of environmental exposure

Do not let product enter drains. Discharge into the environment must be avoided.

Also refer to Sections 2 and 7

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Form: Liquid
Odour:	Not determined
pH:	Not determined
Initial boiling point / range:	Not determined
Flash point:	Not determined
Vapour pressure:	Not determined
Relative density:	Not determined
Water Solubility:	Suspension (not completely miscible)

**9.2 Other information:** None available

## Section 10. Stability and reactivity

### **10.1 Reactivity**

No data available

### **10.2 Chemical stability**

Good stability under normal storage conditions

### **10.3 Possibility of hazardous reactions**

Not expected under normal conditions of use

### **10.4 Conditions to avoid**

No data available

### **10.5 Incompatible materials**

Avoid contact with strong acids, alkalis or oxidising agents

### **10.6 Hazardous decomposition products**

Not expected, refer to Section 5 in case of fire

## Section 11. Toxicological information

### **11.1 Information on toxicological effects**

This mixture has not been tested as a whole for health effects

No direct data available on; acute toxicity, irritation to skin, eyes and respiratory system or germ cell mutagenicity

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Refer to Sections 2 and 3 for additional information.

## Section 12. Ecological information

This mixture has not been tested as a whole for ecological effects

**12.1 Toxicity:** No data available

**12.2 Persistence and degradability:** No data available

**12.3 Bioaccumulative potential:** No data available

**12.4 Mobility in soil:** No data available



## 12.5 Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

**12.6 Other adverse effects:** No data available

## Section 13. Disposal considerations

**13.1 Product** Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

**13.2 Contaminated packaging** Dispose of as unused product

## Section 14. Transport information

- 14.1 UN number** Not classified  
**14.2 UN Proper Shipping Name:** Not classified  
**14.3 Transport hazard class(es):** Not classified  
**14.4 Packing Group:** Not classified  
**14.5 Environmental hazards:** Not environmentally hazardous for transport  
**14.6 Special precautions for user:** None additional  
**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not classified

## Section 15. Regulatory information

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

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No data available

**15.2 A Chemical Safety Assessment has not been carried out for this product**

## Section 16. Other information

### Key to abbreviations:

- H300 Fatal if swallowed  
H312 Harmful in contact with skin  
H332 Harmful if inhaled  
H373 May cause damage to organs through prolonged or repeated exposure  
H319 Causes serious eye irritation

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- H335 May cause respiratory irritation
- P202 Do not handle until all safety precautions have been read and understood
- P264 Wash hands and other contacted skin thoroughly after handling
- P280 Wear protective gloves/eye protection/face protection
- P301 + P310 + P331 IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth.
- P302 + P352 + P310 IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER/doctor.
- P391 Collect spillage.
- P501 Dispose of contents to approved disposal site, in accordance with local regulations

The information in this safety data sheet is to the best of our knowledge true and accurate, but all data, instructions, recommendations and/or suggestions are made without guarantee.