

## Safety Data Sheet [according to Regulation (EC) No. 1907/2006]

Version number: 1.0

Revision date: 20-MAY-2015 (supersedes all previous MSDS or SDS documents provided for this product).

### SECTION 1 - Identification of the substance/mixture and of the company/undertaking

1.1	<b>Product Identifiers</b> Product Name: PrepStain™ Hematoxylin Stain 0.5; Product Codes: SPNG-0500-0001; 490537a
1.2	<b>Relevant identified uses of the substance or mixture and uses advised against</b> Relevant Identified Uses: In-vitro diagnostics preparation.
1.3	<b>Details of the supplier of the safety data sheet</b> Company: Source BioScience plc 1 Orchard Place Nottingham Business Park Nottingham, NG8 6PX Tel: +44(0)115 973 9018 Fax: +44(0)115 973 9021 E-mail: <a href="mailto:sales@sourcebioscience.com">sales@sourcebioscience.com</a>
1.4	Emergency Telephone Number: +44(0)115 973 9018 Opening hours 08:00 – 18:00 GMT Monday to Friday English language service ONLY.

### SECTION 2 - Hazards identification

2.1	<b>Classification of the substance or mixture</b> Not classified as hazardous according to Regulation (EC) No 1272/2008. Contains no substances hazardous to health or the environment at levels above the generic cut of levels stipulated in the Regulation. Classification according to EU Directive 1999/45/EC: X <sub>n</sub> – Harmful, R22 X <sub>i</sub> – Irritant, R36/37/38  For the full text of the R-phrases mentioned in this Section, see Section 16.
2.2	<b>Label elements</b> Label according Regulation (EC) No 1272/2008: No specific labelling requirements. Signal word: None
2.3	<b>Other hazards</b> None

### SECTION 3 - Composition/information on ingredients

3.2	<b>Mixtures</b> No components need to be disclosed according to the applicable regulations.
-----	--

### SECTION 4 - First aid measures

4.1	<b>Description of first aid measures</b> General notes: Consult a physician. Show this safety data sheet to the doctor in attendance. After skin contact: Wash off with soap and plenty of water and SEEK MEDICAL ADVICE. After eye contact: Rinse with water for at least 15 minutes and then SEEK MEDICAL ADVICE.
-----	--

	<p>After ingestion: Do NOT induce vomiting. Wash mouth thoroughly with water and SEEK MEDICAL ADVICE.</p> <p>After inhalation: Move person into fresh air. If not breathing, give artificial respiration and SEEK MEDICAL ADVICE.</p>
4.2	<p><b>Most important symptoms and effects, both acute and delayed</b> Effects as described in section 2.2.</p>
4.3	<p><b>Indication of any immediate medical attention and special treatment needed</b> No data available.</p>
<b>SECTION 5 - Fire fighting measures</b>	
5.1	<p><b>Extinguishing media</b> Suitable extinguishing media: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide. Unsuitable extinguishing media: Standard water based foam.</p>
5.2	<p><b>Special hazards arising from the substance or mixture product</b> Hazardous combustion products: Carbon oxides.</p>
5.3	<p><b>Advice for fire-fighters</b> Wear self-contained breathing apparatus.</p>
<b>SECTION 6 - Accidental release measures</b>	
6.1	<p><b>Personal precautions, protective equipment and emergency procedures</b> Use personal protective equipment – see section 8. For large spillages evacuate area and prevent access to spillage area during clean up.</p>
6.2	<p><b>Environmental precautions</b> Prevent product from entering surface or ground water drains.</p>
6.3	<p><b>Methods and materials for containment and cleaning up</b> Soak up with inert absorbent material and dispose of as hazardous waste. Clean site of spillage with water and detergent. Where appropriate use signage to indicate wet surface / a slip hazard.</p>
6.4	<p><b>Reference to other sections</b> Refer to sections 8 and 13.</p>
<b>SECTION 7 - Handling and storage</b>	
7.1	<p><b>Precautions for safe handling</b> Measures to prevent fire: No special measures required. Measures to prevent aerosol and dust generation: Use in a well ventilated area. Measures to protect the environment: Prevent entry to surface drains and ground water. Advice on general occupational health: Do not eat, drink or smoke whilst handling this product. Remove any contaminated clothing or protective equipment before leaving the work area. Wash hands after use.</p>
7.2	<p><b>Conditions for safe storage</b> Store in a cool, well ventilated place and incompatible materials (see section 10).</p>
<b>SECTION 8 - Exposure controls/personal protection</b>	
8.1	<p><b>Control parameters</b> The following occupational exposure limit values exist for a substance contained in this product according to EH40/2005 Workplace Exposure Limits (UK). Ethylene glycol (vapour) – LTEL 20ppm / 52mg.m<sup>-3</sup>; STEL 40ppm / 104mg.m<sup>-3</sup>; Sk</p>
8.2	<p><b>Exposure controls</b> Appropriate engineering controls: Control inhalation risk with local exhaust ventilation (LEV) appropriate for the volume being handled. Personal protective equipment: When handling large volumes wear eye protection conforming to EN 166.</p>

Environmental exposure controls: Use natural or nitrile rubber gloves conforming to EN 374 shown to be chemically resistant to category A.  
Where inhalation risk is not adequately mitigated with LEV use respiratory protective equipment either a full face mask conforming to EN 136 or valve filtering half mask to EN405 or half mask to EN140. Use type A (brown; organic gases and vapours, boiling point above 65°C) type filter conforming to EN371.  
Where RPE is used a face fit test should be carried out.  
Refer to sections 6 and 13.

## SECTION 9 - Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a)	Appearance	Violet / red liquid
b)	Odour	No data available
c)	Odour threshold	No data available
d)	pH	2.6
e)	Melting point/freezing point	No data available
f)	Initial boiling point and boiling range	No data available
g)	Flash point	>100°C
h)	Evaporation rate	No data available
i)	Flammability	Non-flammable
j)	Upper/lower flammability or explosive limits	Product does not present an explosion hazard.
k)	Vapour pressure	No data available
l)	Vapour density	No data available
m)	Relative density	1.02 g.cm <sup>-3</sup>
n)	Solubility(ies)	Miscible with water
o)	Partition coefficient (n-octanol/water)	No data available
p)	Auto-ignition temperature	410°C
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidising properties	No data available

## SECTION 10 - Stability and Reactivity

10.1 **Reactivity**  
Not data available.

10.2 **Chemical stability**  
Stable under normal conditions of storage and use.

10.3 **Possibility of hazardous reactions**  
Not data available.

10.4 **Conditions to avoid**  
Not data available.

10.5 **Incompatible materials**  
Not data available.

10.6 **Hazardous decomposition products**  
No data available.

## SECTION 11 - Toxicological information

11.1 **Information on toxicological effects**  
No test information available for this product.

## SECTION 12 - Ecological information

12.1 **Toxicity**  
No test information available for this product.

12.2 **Persistence and Degradability** No data available.

12.3	<b>Bioaccumulative potential</b>	No data available.
12.4	<b>Mobility in soil</b>	No data available.
12.5	<b>Results of PBT and vPvB assessment</b>	PBT/vPvB assessment is not available for this product as chemical safety assessment is not required/not conducted.
12.6	<b>Other adverse effects</b>	No data available.

### SECTION 13 – Disposal considerations

13.1	<b>Waste treatment methods</b> Use a licensed waste disposal service to dispose of this material and any container washings. Wash out containers with water before reuse, recycling or disposal of container.
------	---

### SECTION 14 - Transport information

14.1	<b>UN Number</b>	Not applicable. Product not classified as hazardous for transportation.
14.2	<b>UN proper shipping name</b>	Not applicable. Product not classified as hazardous for transportation.
14.3	<b>Transport hazard class(es)</b>	Not applicable. Product not classified as hazardous for transportation.
14.4	<b>Packing group</b>	Not applicable. Product not classified as hazardous for transportation.
14.5	<b>Environmental hazards</b>	Not applicable. Product not classified as hazardous for transportation.
14.6	<b>Special precautions for user</b>	Not applicable. Product not classified as hazardous for transportation.

### SECTION 15 - Regulatory information

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> UK legislation: The Management of Health and Safety at work Regulations 1999 [SI 1999 No. 3242] (regulation 3) requires suitable and sufficient assessment of risks in the workplace. Assessment should include arrangements to so far as reasonably practical ensure the safe use, handling, storage and transport of this product. Waste product and packaging should be disposed of in accordance with the Environmental Protection Act 1990 [1990 Chapter 43].
15.2	<b>Chemical Safety Assessment</b> No chemical safety assessment has been carried out for this product.

### SECTION 16 - Other information

Full text of R-phrases referred to under sections 2:	
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
<p>The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. This information is believed to be reliable and updated at Revision Date, and represents the best information currently available and known by Source BioScience. However, Source BioScience makes no guarantee or warranty, express or implied, with respect to such information and we assume no liability resulting from its use. The information related herein is based on proper handling and anticipated uses and is for the material without chemical additions or alterations. Users should make their own investigations to determine the suitability of the information for their particular purposes.</p>	