

# DUROTEST® S staining reagent (SDS.P10.V2)

SDS according to (EC) No. 1907/2006

Issued:

April 2022

Review date:

April 2024

## Section 1 – Identification of the substance / mixture and of the company undertaking

### 1.1 Product identifier

Product: Staining reagents A and B included in DUROTEST® S  
Art. No.: Component of P10 / P10A

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

Identified uses: Component of DUROTEST® S testing kit

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

Company: R-Biopharm Rhône Ltd  
Block 10 Todd Campus  
West of Scotland Science Park  
Acre Road, Glasgow G20 0XA  
Technical Phone: + 44 (0) 141 945 2924  
Technical Fax: + 44 (0) 141 945 2925  
E-mail address: info@r-biopharmrhone.com

### 1.4 Emergency telephone number

+44 (0) 141 945 2924  
Monday to Friday 8.30 am - 4.30 pm  
English speaking

## Section 2 – Hazards identification

### 2.1 Classification of the substance or mixture

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

Flammable liquids (category 2), H225  
Acute toxicity, Inhalation (category 3), H331  
Acute toxicity, Dermal (category 3), H311  
Acute toxicity, Oral (category 3), H301  
Specific target toxicity – single exposure (Category 1), H371

For full text of H statements mentioned in this section, see section 16.

### 2.2 Label elements

Labelling according to EU Regulation (EC) No. 1272/2008.

### Hazard Pictograms



Signal word: Danger

# DUROTEST<sup>®</sup> S staining reagent (SDS.P10.V2)

## SDS according to (EC) No. 1907/2006

<b>Issued:</b>	April 2022	<b>Review date:</b>	April 2024
----------------	------------	---------------------	------------

### Precautionary statement

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.

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

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

### 2.3 Other hazards

This substance is a mixture. It may cause the following symptoms; cough, dizziness, headache, nausea, weakness, visual disturbance, abdominal pain, shortness of breath, vomiting.

If absorbed it may cause: dry skin, redness.

## Section 3 - Composition / information on ingredients

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

4 CN Peroxidase Substrate in Methanol.

## Hazardous ingredients according to Regulation (EC) No. 1272/2008

Component	Classification	Concentration
Methanol		<20 %
CAS-No. 67-56-1 EC-No. 200-659-6	Flam. Liq. 2 (H225); Acute Tox. (H301 + H311 + H331); STOT SE1 (H371)	

Note: these classifications refer to the pure component and not necessarily to the mixture supplied.

# DUROTEST® S staining reagent (SDS.P10.V2)

SDS according to (EC) No. 1907/2006

Issued:

April 2022

Review date:

April 2024

## Section 4 - First aid measures

### 4.1 Description of first aid measures

If ingested:	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.
If inhaled:	Move person into fresh air. Consult a doctor/physician.
In case of Skin Contact:	Remove contaminated clothing. Rinse skin with plenty of water or shower. Consult a doctor/physician.
In case of Eye Contact:	Flush eyes with water for several minutes. Remove contact lenses where possible. Consult a doctor/physician.

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

See section 2.2 and/or section 11.

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

No data available.

## Section 5 - Fire fighting measures

### 5.1 Extinguishing Media

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

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

Flammable, risk of ignition. Vapours may form explosive mixtures with air. Carbon oxides may be produced. Reacts violently with oxidants, causing fire and explosive hazard.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting, if necessary.

### 5.4 Further information

Use water spray to cool unopened containers.

## Section 6 - Accidental release measures

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

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

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

Contain spillage. Clean up of spills requires no special equipment or procedures. Clean with copious amounts of water.

# DUROTEST® S staining reagent (SDS.P10.V2)

**SDS according to (EC) No. 1907/2006**

<b>Issued:</b>	April 2022	<b>Review date:</b>	April 2024
----------------	------------	---------------------	------------

## 6.4 Reference to other sections

For disposal see section 13.

## Section 7 - Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
 Keep away from sources of ignition – No smoking. For precautions see section 2.1.

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

Keep container tightly closed and store at 2 - 8 °C. Keep away from strong oxidising agents and reducing agents.

### 7.3. Specific end use(s)

Apart from the uses mentioned in section 1, no other specific uses are stipulated.

## Section 8 - Exposure controls / personal protection

### 8.1 Components with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis	
Methanol	67-56-1	TWA	200 ppm	Europe. Indicative occupational exposure limit values	
			260 mg / m3		
	Remarks	Identifies the possibility of significant uptake through the skin indicative			
		TWA		200 ppm	UK. EH40 WEL - workplace exposure limits
				266 mg / m3	
	Remarks	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity			
	STEL		250 ppm	UK. EH 40 WEL - work- place exposure limits	
			333 mg / m3		
Remarks	Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity				

Note: the above data is for 100 % methanol and not to the mixture supplied, which contains 20 % methanol

## DUROTEST<sup>®</sup> S staining reagent (SDS.P10.V2)

SDS according to (EC) No. 1907/2006

Issued:

April 2022

Review date:

April 2024

### 8.2 Exposure controls

#### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wear Personal Protective Equipment e.g. lab coats, eye protection, skin protection.

#### Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as 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. 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.

#### Body protection

Wear lab coat.

#### Respiratory protection

No data available.

#### Control of environmental exposure

No data available.

**DUROTEST® S staining reagent** (SDS.P10.V2)

**SDS according to (EC) No. 1907/2006**
**Issued:**

April 2022

**Review date:**

April 2024

**Section 9 - Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

a	Appearance	Form: liquid
		Colour: colourless
b	Odour	No data available
c	Odour threshold	No data available
d	pH	No data available
e	Melting pt. / freezing pt.	No data available
f	Initial boiling point	No data available
g	Flash point	12 °C c.c.
h	Evaporation rate	No data available
i	Flammability (solid, gas)	No data available
j	Upper / lower explosion limit	No data available
k	Vapour pressure	12.3 KpA at 20 °C
l	Vapour density	No data available
m	Relative density	No data available
n	Water solubility	Completely miscible
o	Partition coefficient: n-octanol / water	0.82 / -0.66
p	Auto-ignition temperature	464 °C
q	Decomposition temperature	No data available
r	Viscosity	No data available
s	Explosive properties	Not explosive
t	Oxidizing properties	The substance or mixture is not classified as oxidizing

**9.2 Other safety information**

No data available.

## DUROTEST® S staining reagent (SDS.P10.V2)

SDS according to (EC) No. 1907/2006

Issued:

April 2022

Review date:

April 2024

### Section 10 - Stability and reactivity

#### 10.1 Reactivity

No data available.

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions

No data available.

#### 10.4. Conditions to avoid

No data available.

#### 10.5. Incompatible materials

Incompatible with strong oxidising agents and reducing agents.

#### 10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide.

### Section 11 - Toxicological information

#### 11.1 Information on toxicological effects

##### Likely routes of exposure:

Skin and eyes, inhalation and accidental ingestion.

##### Acute toxicity

No data available.

##### Skin / eye corrosion / irritation

No data available.

##### Respiratory or skin sensitization

No data available.

##### Germ cell mutagenicity/ carcinogenicity and reproductive toxicity

Product is not expected to be mutagenic, carcinogenic or a reproductive toxicant. No component of this product equal to or greater than 0.1% has been identified by IARC, ACGIH, OSHA or NTP to be carcinogenic.

##### STOT – single/ repeated exposure

No data available.

##### Aspiration toxicity

No data available.

## DUROTEST<sup>®</sup> S staining reagent (SDS.P10.V2)

### SDS according to (EC) No. 1907/2006

Issued: April 2022      Review date: April 2024

#### Additional information

RTECS: Not available.

Methyl alcohol may be fatal or cause blindness if swallowed. Cannot be made non-poisonous. Effects due to ingestion may include; nausea, headache, vomiting, gastrointestinal disturbance, dizziness, weakness, confusion, drowsiness, unconsciousness. To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.

### Section 12 - Ecological information

#### 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

No data available.

#### 12.6. Other adverse effects

Do not allow to enter drains, sewers or watercourses.

### Section 13 - Disposal

#### 13.1 Waste treatment methods

Treatment, storage and transportation must comply with all national and local laws concerning health and pollution.



## DUROTEST® S staining reagent (SDS.P10.V2)

SDS according to (EC) No. 1907/2006

Issued:

April 2022

Review date:

April 2024

### SECTION 14: Transport information

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

Not applicable.

#### 14.4. Packaging group

Not applicable.

#### 14.5. Environmental hazards

Not applicable.

#### 14.6. Special precautions for user

Not applicable.

### Section 15 - Regulatory Information

This Safety Data Sheet was prepared in accordance with Regulation (EC) No. 1907/2006.

#### 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 product.

**DUROTEST® S staining reagent** (SDS.P10.V2)

SDS according to (EC) No. 1907/2006

Issued:

April 2022

Review date:

April 2024

**Section 16 - Other information****Full text of H statements (referred to in sections 2 and 3):**

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H371	May cause damage to organs.

**List of abbreviations and acronyms:**

Acute Tox.3	Acute Toxicity Category 3
CLP	Classification Packaging and Labelling
Flam. Liq. 2	Flammable liquid Category 2
PPE	Personal Protective Equipment
REACH	Registration Evaluation and Authorisation of Chemicals
RTECS	Registry of toxic effects of chemical substances
SDS	Safety Data Sheet
STOT	Specific target organ toxicity

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. R-Biopharm Rhône Ltd shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes.