

## 1: Identification of substance / mixture

### 1. Product Identifier

Mixture

Product Name **Pathlength Calibration Fluid**  
Product Code 80-2140-09  
CAS Number  
Other Names  
IUPAC  
MFCN Number  
EC/EINECS  
REACH Number

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

For R&D use.

### 3. Details of the supplier of the safety data sheet

Biochrom Ltd  
1020, Cambourne Business Park  
Cambourne  
Cambridge  
CB23 6DW  
United Kingdom

Telephone: +44 (0)1223 423723  
Fax: +44 (0)1223 420164  
Email: enquiries@biochrom.co.uk



### 4. Emergency telephone number

+44 (0)1223 427890 -

## 2. Hazards Identification

### 1. Classification of the substance or mixture

H303 Acute Tox. 5

### 2. Label elements

Signal Word **Warning**

### Hazard Statements

H303 Maybe harmful if swallowed

### Precautionary Phrases

Non Hazardous

### 3. Other Hazards

*Additional precautionary phrases are located throughout the safety data sheet*

## 3. Composition / Information on Ingredients

### 1. Substances

No Resource File

### 2. Mixtures

Concentration	Product Name	CAS Number	EC/EINECS
99.95%	Water	7732-18-5	
0.03%	Uracil	66-22-8	
0.02%	Sodium Azide	26628-22-8	

## 4. First Aid Measures

### 1. Description of first aid measures

**Skin Contact** Wash immediately with plenty of soap and water.

**Eye Contact** Rinse opened eye for several minutes under running water.

*Ingestion* Wash out mouth with water.  
*Inhalation* Move to fresh air in case of accidental inhalation of vapours.

## 2. Most important symptoms and effects

No symptoms.

## 3. Indication of any immediate medical attention

No additional measures required

## 5. Firefighting measures

### 1. Extinguishing Media

*Suitable* Not flammable  
*Unsuitable* Not flammable

### 2. Special Hazards arising from the substance or mixture

Not flammable

### 3. Advice for Fire Fighters

No special measures required.

## 6. Accidental Release Measures

### 1. Personal Precautions

Remove all incompatible materials as outlined in section 10 of SDS.

### 2. Environmental Precautions

No special measures required.

### 3. Methods & Materials

Wash the spillage site with large amounts of water.

### 4. Preventing the occurrence of secondary hazards.

Not applicable

## 7. Handling and Storage

### 1. Personal Precautions

*Safe Handling* No special requirements.  
*Protection against explosions and fires* No special requirements

### 2. Conditions for safe storage, including any incompatibilities

*Managing Storage Risks* Store in original containers.  
*Storage Controls* No special requirements  
*Maintaining Integrity* No special requirements  
*Other advice* No further information available.

### 3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

## 8. Exposure Controls/Personal Protection

### 1. Control Parameters

No Data Available

## 2. Exposure Controls

<i>General protective and hygiene measures</i>	The standard precautionary measures should be adhered to when handling
<i>Engineering measures</i>	Do not transfer through metal tubing or pipes. Transfer with plastic or glass recommended.
<i>Eye / Face Protection</i>	Safety Glasses.
<i>Hand protection</i>	Nitrile gloves.
<i>Respiratory protection</i>	Respiratory protection not required.
<i>Skin protection</i>	Protective clothing.
<i>Other personal protection advice</i>	No data.

## 9. Physical and Chemical Properties

### 1. Physical and Chemical Properties

Appearance	Colourless
Odour	None
Odour threshold	No Data Available
PH	Neutral
Melting point / Freezing point	No Data Available
Initial boiling point and boiling range	No Data Available
Flash point	No Data Available
Evaporation rate	No Data Available
Flammability(solid,gas)	Non flammable
Upper/lower flammability or explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour density	No Data Available
Relative density	No Data Available
Solubility(ies):	No Data Available
Partition coefficient: n-octanol/water	No Data Available
Auto-ignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

### 2. Other Information

Do not mix with solution of heavy metals

## 10. Stability and Reactivity

### 1. Reactivity

Do not mix with solutions of heavy metals

### 2. Stability

Stable under normal conditions.

### 3. Possibility of Hazardous Reactions

Do not mix with solutions of heavy metals

### 4. Conditions to Avoid

Incompatible products

### 5. Incompatible Materials

Metals.

### 6. Hazardous Decomposition Products

Not applicable

## 11. Toxicology information

### 1. Information

<i>Acute Toxicity</i>	The LDLO (humans) for sodium azide is 14mg/kg. Equivalent to 700mg for a 50kg human. The bottle content is 2mg.
<i>Skin corrosion/irritation</i>	No known hazard
<i>Serious eye Damage/irritation</i>	No known hazard
<i>Respiratory or skin sensitisation</i>	No known hazard
<i>Germ Cell mutagenicity</i>	No information available
<i>Carcinogenicity</i>	No information available
<i>Reproductive toxicity</i>	No information available
<i>STOT-single exposure</i>	No information available
<i>STOT-repeated exposure</i>	No information available
<i>Aspiration hazard</i>	No information available

### 2. Additional

No additional information available

## 12. Ecological Information

### 1. Toxicity

Non hazardous

### 2. Persistence and degradability

Non hazardous

### 3. Bio-Accumulative Potential

Non hazardous

### 4. Mobility and Soil

Non hazardous

### 5. Results of PBT & vPvB assessment

Non hazardous

### 6. Other adverse effects

No information available

## 13. Disposal Considerations

### 1. Waste Treatment Methods

*Disposal Operations* Consult state, local or national regulations for proper disposal.

*Disposal of Packaging* Disposal must be made according to official regulations.

## 14. Transport Information

### Air (ICAO)

- UN Number:**
- Shipping Name:** Non Hazardous
- Transport hazard class(es):** : Sub Class :

4. **Packing group:**
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

## Road (ADR)

1. **UN Number:**
2. **Shipping Name:** None Hazardous
3. **Transport hazard class(es) :** Sub Class :

4. **Packing group:**
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

## Sea (IMDG)

1. **UN Number:**
2. **Shipping Name:** Non Hazardous
3. **Transport hazard class(es) :** Sub Class :

4. **Packing group:**
5. **Environmental hazards:**
6. **Special Precautions for user:**
7. **Transport in bulk:**

## 15. Safety, health, environmental and national regulations

### 1. Safety, health, environmental and national regulations:

product is not subject to any additional regulations or provisions

### 2. Safety Assessment

No Chemical Safety Assessment

## 16. Other Information

### 1. Other Information:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

### 3. Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process unless specified in the text.