

## 1: Identification of substance / mixture

### 1. Product Identifier

Mixture

Product Name **Sodium Regeneration Buffer 6**  
Product Code 80-2037-57  
CAS Number  
Other Names 5056336800338  
IUPAC  
MFCN Number  
EC/EINECS  
REACH Number Index-No

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

For laboratory use only

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

Biochrom Ltd  
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Waterbeach  
Cambridge  
CB25 9PE  
United Kingdom

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



### 4. Emergency telephone number

+44 (0)1223 427890 -

## 2. Hazards Identification

### 1. Classification of the substance or mixture

H315	Skin Irrit. 2	
H319	Eye Irrit. 2	

### 2. Label elements

Signal Word **Warning**



### Hazard Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.

### Precautionary Phrases

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective 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.
P337 + P313	If eye irritation persists: Get medical advice/attention.

### 3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

## 3. Composition / Information on Ingredients

### 2. Mixtures

Product Name	Hazards	Concentration
Water		
	CAS Number: 7732-18-5 EC/EINECS: 231-791-2	98%

Sodium hydroxide

CAS Number: 1310-73-2 H315, H319 Eye Irrit. 2, Skin Irrit. 2  
EC/EINECS: 215-185-5

2%

## 4. First Aid Measures

### 1. Description of first aid measures

- Skin Contact* P302 + P352: IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313: If skin irritation occurs: Get medical advice/attention.
- Eye Contact* P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313: If eye irritation persists: Get medical advice/attention.
- Ingestion* Do not induce vomiting.  
Wash out mouth with water.  
Consult a doctor.
- Inhalation* Supply fresh air; consult a doctor in case of complaints.

### 2. Most important symptoms and effects

There may be irritation and redness.

### 3. Indication of any immediate medical attention

No additional measures required

## 5. Firefighting measures

### 1. Extinguishing Media

- Suitable* Suitable extinguishing media for surrounding fire should be used.
- Unsuitable* N/A

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

N/A

### 3. Advice for Fire Fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

## 6. Accidental Release Measures

### 1. Personal Precautions

Refer to section 8 of SDS for personal protection details.

### 2. Environmental Precautions

Do not discharge into drains or rivers.  
Do not allow to enter sewers / surface or ground water.

### 3. Methods & Materials

Absorb into dry earth or sand.  
Mix with sand or vermiculite.  
Transfer to a closable, labelled salvage container for disposal by an appropriate method.

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

None

## 7. Handling and Storage

### 1. Personal Precautions

- Safe Handling* P264: Wash hands thoroughly after handling.
- Protection against explosions and fires* P362: Take off contaminated clothing and wash before reuse.

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

<i>Managing Storage Risks</i>	Store in cool, well ventilated area. Keep container tightly closed. Keep away from direct sunlight.
<i>Storage Controls</i>	No special requirements
<i>Maintaining Integrity</i>	No special requirements
<i>Other advice</i>	No further information available.

## 3. Specific End Uses

For laboratory use only. To be used with Biochrom Amino Acid Analyzers.

## 8. Exposure Controls/Personal Protection

### 1. Control Parameters

No Data Available

### 2. Exposure Controls

<i>General protective and hygiene measures</i>	P280: Wear protective gloves/protective clothing/eye protection/face protection.
<i>Engineering measures</i>	Ensure there is sufficient ventilation of the area.
<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	Clear liquid
Odour	No Data Available
Odour threshold	No Data Available
PH	No Data Available
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)	No Data Available
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):	Water soluble
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

No additional information available

## 10. Stability and Reactivity

### 1. Reactivity

Reacts with acid.

### 2. Stability

Stable at room temperature.

### 3. Possibility of Hazardous Reactions

May react violently with oxidising materials.

### 4. Conditions to Avoid

Direct Sunlight.

### 5. Incompatible Materials

Acids.  
Strong oxidizing agents.  
Organic materials.

### 6. Hazardous Decomposition Products

In combustion emits toxic fumes.

## 11. Toxicology information

### 1. Information

<i>Acute Toxicity</i>	No information available
<i>Skin corrosion/irritation</i>	Irritant for skin and mucous membranes.
<i>Serious eye Damage/irritation</i>	Irritant effect.
<i>Respiratory or skin sensitisation</i>	May cause skin sensitization
<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

Ingestion - May be harmful if swallowed.

## 12. Ecological Information

### 1. Toxicity

No information available

### 2. Persistence and degradability

No information available

### 3. Bio-Accumulative Potential

No information available

## 4. Mobility and Soil

No information available

## 5. Results of PBT & vPvB assessment

No information available

## 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)

Not classified as hazardous for transport

### Road (ADR)

Not classified as hazardous for transport

### Sea (IMDG)

Not classified as hazardous for transport

## 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:

This safety data sheet complies to the requirements of Regulation (EC) No. 1272/2008

### 3. Disclaimer

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