

## 1: Identification of substance / mixture

### 1. Product Identifier

Mixture

Product Name **EZ Nin Reagent Kit 4L NC**  
Product Code 80-6003-13  
CAS Number  
Other Names 5056336800628  
IUPAC  
MFCN Number  
EC/EINECS  
REACH Number Index-No

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

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

|       |              |  |
|-------|--------------|--|
| H302  | Acute Tox. 4 |  |
| H335  | STOT SE 3    |  |
| H361d | Repr. 2      |  |

### 2. Label elements

Signal Word **Warning**



### Hazard Statements

|       |  |
|-------|--|
| H302  | Harmful if swallowed.                  |
| H335  | May cause respiratory irritation.      |
| H361d | Suspected of damaging the unborn child |

### Precautionary Phrases

|             |  |
|-------------|--|
| P201        | Obtain special instructions before use.  |
| P260        | Do not breathe dust/fume/gas/mist/vapours/spray.   |
| P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.                       |
| P304        | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| P403 + P233 | Store in a well-ventilated place. Keep container tightly closed.                                 |
| P501        | Dispose of contents/container to a suitable hazardous waste container.                           |

### 3. Other Hazards

Additional precautionary phrases are located throughout the safety data sheet

## 3. Composition / Information on Ingredients

### 2. Mixtures

| Product Name                                  | Hazards                                | Concentration |
|---|--|---------------|
| Potassium acetate                             |  |               |
| CAS Number: 127-08-2<br>EC/EINECS: 204-822-2  |  | 8.0%          |
| Acetic acid                                   |  |               |
| CAS Number: 64-19-7<br>EC/EINECS: 200-580-7   | H226, H314 Flam. Liq. 3, Skin Corr. 1A | 6.4%          |
| Diethylene glycol methyl ether                |  |               |
| CAS Number: 111-77-3<br>EC/EINECS: 203-906-6  | H361d Repr. 2                          | 5.5%          |
| Ethylene glycol                               |  |               |
| CAS Number: 107-21-1<br>EC/EINECS: 203-473-3  | H302 Acute Tox. 4                      | 47.9%         |
| Water   |  |               |
| CAS Number: 7732-18-5<br>EC/EINECS: 231-791-2 |  | 30.4%         |
| Ninhydrin                                     |  |               |
| CAS Number: 485-47-2<br>EC/EINECS: 207-618-1  | H335 STOT SE 3                         | 1.8%          |

## 4. First Aid Measures

### 1. Description of first aid measures

- Skin Contact* Wash immediately with plenty of soap and water.
- Eye Contact* Bathe the eye with running water for 15 minutes.
- Ingestion* P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330: Rinse mouth.
- Inhalation* P304: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

### 2. Most important symptoms and effects

No symptoms.

### 3. Indication of any immediate medical attention

Obtain medical attention in the event of any acute or delayed symptoms

## 5. Firefighting measures

### 1. Extinguishing Media

- Suitable* Water.
- Unsuitable* N/A

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

In combustion toxic fumes may form.

### 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

Eliminate all sources of ignition.  
Mark out the contaminated area with signs and prevent access to unauthorised personnel.  
Avoid breathing vapours.

## 2. Environmental Precautions

Do not allow to enter sewers / surface or ground water.

## 3. Methods & Materials

Mix with sand or vermiculite.  
Wash the spillage site with large amounts of water.  
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

P201: Obtain special instructions before use.  
P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.

#### Protection against explosions and fires

No special requirements

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

#### Managing Storage Risks

Store in cool, well ventilated area.  
Keep container tightly closed.  
Light sensitive.  
Protect from light.

#### Storage Controls

No special requirements

#### Maintaining Integrity

No special requirements

#### Other advice

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

### 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

#### General protective and hygiene measures

Avoid contact with skin and eyes

#### Engineering measures

Ensure there is sufficient ventilation of the area.

#### Eye / Face Protection

Safety Glasses.  
Ensure eye bath is to hand.

#### Hand protection

Nitrile gloves.

#### Respiratory protection

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

#### Skin protection

Protective clothing.

#### Other personal protection advice

No data.

## 9. Physical and Chemical Properties

### 1. Physical and Chemical Properties

|  |                     |
|--|---------------------|
| Appearance                                   | Yellow liquid       |
| Odour  | Slightly of vinegar |
| Odour threshold                              | No Data Available   |
| PH   | 5                   |
| 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                             | 1.118g/mL           |
| 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                         | Not oxidizing       |

### 2. Other Information

No additional information available

## 10. Stability and Reactivity

### 1. Reactivity

No unusual reactivity

### 2. Stability

Stable under normal conditions.  
May discolour on exposure to light.

### 3. Possibility of Hazardous Reactions

No hazardous reactions known.

### 4. Conditions to Avoid

Direct Sunlight.  
Heat.

### 5. Incompatible Materials

Strong oxidizing agents.

### 6. Hazardous Decomposition Products

In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

## 11. Toxicology information

### 1. Information

|                                      |  |
|--------------------------------------|--|
| <i>Acute Toxicity</i>                | No information available   |
| <i>Skin corrosion/irritation</i>     | May be harmful if absorbed through the skin. Causes skin irritation. |
| <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>             | Possible risk of harm to the unborn child |
| <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

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

## 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*

*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

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.