

# Material Safety Data Sheet in accordance with EC/1272/2008

## 1. Identification of the substance / preparation and company

### 1.1 Product Identifier

Product Nr.: B504  
Trade Name: Buffer pH 4.00 (coloured)  
REACH Registration Number:

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses: Reagent for analysis in the laboratory.

### 1.3 Information provided by

Company: Consort b.v.b.a.  
Hertenstraat 56 unit 9  
2300 Turnhout  
Belgium  
Contact: Tel: +32 (0) 14 41 12 79  
[support@consort.be](mailto:support@consort.be)  
[info@consort.be](mailto:info@consort.be)

### 1.4 Emergency telephone:

Belgium: 070/245245 (poison control centre)  
Other countries: Please check for the local poison control centre.

## 2. Hazard identification

### 2.1 Classification of the substance or mixture

For the full text of H-sentences mentioned in this Section, see Section 16.  
Classification (REGULATION (EC) No 1272/2008) (67/548/EEG or 1999/45/EF)  
For the full text of R-sentences mentioned in this Section, see Section 16.

### 2.2 Label elements

This substance is not classified as hazardous according to EU legislation.

### 2.3 Other hazards

## 3. Composition / Information on ingredients

### 3.1 Substance

Not applicable

### 3.2 Mixture

Formula C<sub>6</sub>H<sub>8</sub>O<sub>7</sub>/NaCl/NaOH/H<sub>2</sub>O

## 4. First aid measures

### 4.1 Description

1. General: Low hazard via all routes of entry.
2. Inhalation: None.
3. Skin: Rinse with water.
4. Eyes: Rinse with water.
5. Ingestion: Contact medical aid in case of ingestion of large amounts (litres).
6. First Aid: Wash off contact area with water.

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

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

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

No data available

## **5. Firefighting measures**

### **5.1 Extinguishing media:**

Extinguishing media to be used: In adaption to materials stored in the immediate neighbourhood.  
Extinguishing media not to be used: Does not apply

### **5.2 Special hazards:**

Does not apply.

### **5.3 Advice for firefighters:**

Does not apply.

### **5.4 Further Information**

Not available.

## **6. Accidental release measures**

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

When used appropriate, no negative effects are known. For personal protection see section 8.

### **6.2 Environmental precautions:**

No special dangers are known by use.

### **6.3 Cleaning methods:**

Dilute with large quantity of water.

### **6.4 Reference to other sections**

For disposal see section 13

## **7. Handling and Storage**

### **7.1 Precautions for safe Handling**

No special measures necessary. The product should be handled with usual care when dealing with chemicals.  
For precautions see section 2.2.

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

None

### **7.3 Specific end use**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

## **8. Exposure controls / personal protection**

### **8.1 Control parameters**

### **8.2 Exposure controls**

#### **8.2.1 Appropriate engineering controls**

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.  
See section 7.1

#### **8.2.2 Personal protective equipment**

Eye: Use goggles.

Respiratory: Required when vapours/aerosols are generated. The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

#### **8.2.3 Environmental exposure controls**

No specific measures

## 9. Physical and Chemical properties

### 9.1 Information on basic physical and chemical properties

**(a) Appearance**

Red Coloured liquid

**(b) Odour**

Odourless

**(c) Odour treshold**

Does not apply

**(d) pH**

4.00

**(e) Melting point / freezing point**

0°C at barometric pressure of 1013 hPa

**(f) Boiling point**

100°C at barometric pressure of 1013 hPa

**(g) Flash point**

Data not available

**(h) Evaporation rate**

No data is available

**(i) Flammability (solid, gas)**

Does not apply, substance is a liquid.

**(j) Upper/lower flammability or explosive limits**

**(k) Vapour pressure**

Data not available

**(l) Vapour density**

Data not available

**(m) Relative density**

Data not available

**(n) Solubility**

Data not available

**(o) Partition coefficient: n-octanol/water**

Data not available

**(p) Auto-ignition temperature**

Data not available

**(q) Decomposition temperature**

Data not available

**(r) Viscosity**

Data not available

**(s) Explosive properties**

Does not apply, substance is not explosive.

**(t) Oxidising properties**

Does not apply, substance is not oxidising

## 10. Stability and reactivity

### 10.1 Reactivity

See section 10.3

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

No hazardous reactions when handled and stored according to its intended use.

#### **10.4 Conditions to avoid**

No data available.

#### **10.5 Incompatible materials**

No data available

#### **10.6 Hazardous decomposition products**

None

## **11. Toxicological information**

#### **Acute oral and inhalation toxicity:**

Quantitative data on the toxicity of this product is not available

#### **Skin corrosion/Irritation:**

No data available.

#### **Serious eye damage/irritation:**

No data available.

#### **Respiratory or skin sensitisation:**

No data available.

#### **Germ cell mutagenicity:**

No data available.

#### **Carcinogenicity:**

No data available.

#### **Reproductive toxicity:**

No data available.

#### **Specific target organ toxicity (single exposure):**

No data available.

#### **Specific target organ toxicity (repeated exposure):**

No data available.

#### **Aspiration hazard:**

No data available.

## **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**

No ecological problems are to be expected when the product is hand led and used with due care and attention.

## **13. Disposal considerations**

#### **13.1 Waste treatment methods**

##### **13.1.1 Product / Packaging disposal**

Product remainders and the packaging must be disposed of in line with the local regulation.

## 14. Transport information

### Land Transport (ADR/RID)

#### 14.1 UN number

#### 14.2 Proper shipping name

#### 14.3 Class

#### 14.4 Packing group

#### 14.5 Environmentally hazardous -

#### 14.6 Special precautions for user

No

### Tunnel restriction code

### Inland waterway transport (ADN)

Not relevant

### Air Transport (IATA)

#### 14.1 UN number

#### 14.2 Proper shipping name

Non dangerous goods.

#### 14.3 Class

#### 14.4 Packing group

#### 14.5 Environmentally hazardous

#### 14.6 Special precautions for user

No

### Sea Transport (IMDG)

#### 14.1 UN number

#### 14.2 Proper shipping name

Non dangerous goods.

#### 14.3 Class

#### 14.4 Packing group

#### 14.5 Environmentally hazardous

#### 14.6 Special precautions for user

No

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

## 15. Regulatory information

This safety data sheet is in accordance with the EC regulation 1272/2008

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

There has no chemical safety assessment been carried out.

### 15.2 Chemical Safety Assessment

There has no chemical safety assessment been carried out.

## 16. Other information

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