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## FC01 buffer

Residual chlorine buffer

SDS No.: JM25006020

Product Code: 50-2500-60

### Section 1: PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identification

Product Name: Residual chlorine buffer  
Product Model: FC01  
Product Number: 50-2500-60  
Brand: Jensprima

#### 1.2 Details of the MSDS provider

Manufacturer or supplier name: Jensprima Instruments limited  
Kensington High St Kensington  
W8 7DS London  
United Kingdom  
Web: [www.jensprima.com](http://www.jensprima.com)  
Phone: +44-203-4681833  
Email: [info@jensprima.com](mailto:info@jensprima.com)

Jensprima Instruments (Shanghai) Co.Ltd  
2/F, Block B, No.1, No.618 Chengliu Middle Road, Jiading  
District, Shanghai, China  
Postal code: 201801  
Website: [www.jensprima.com.cn](http://www.jensprima.com.cn)  
Tel: +86-21-69108153  
Mail: [chinainfo@jensprima.com](mailto:chinainfo@jensprima.com)

#### 1.3 Emergency counselling telephone number

Emergency contact no.: +86-21-69108153 / 400-1588-710

#### 1.4 Recommended and restricted uses of the substance or mixture

Relevant uses identified: Laboratory reagents. Determination of free chlorine.  
It is recommended not to use it: Do not use for medicinal, household or other purposes

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## Section 2: HAZARDS IDENTIFICATION

### 2.1 GHS Hazard Category

Non-hazardous substances or mixtures

### 2.2 GHS labelling elements, including precautionary statements

Hazard pictograms, signal words, hazard statements and precautionary statements are not required.

### 2.3 Physical and chemical hazards

There are no physical or chemical hazards for which information is currently available.

### 2.4 Health hazard

There are no health hazards with the information available at this time.

### 2.5 Environmental hazard

There are no environmental hazards with the information available at this time.

### 2.6 Other hazards

Not have

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Materialistic

Not applicable.

### 3.2 Mixtures

#### Chemical property

Aqueous solution of inorganic salts.

| Composition   | Categorisation | Percentage concentration |
|---|----------------|--------------------------|
| Dipotassium hydrogenphosphate<br>Molecular formula: $\text{KH}_2\text{PO}_4$<br>Molecular weight: 136.086<br>CAS: 7778-77-0 | /              | < 10%                    |
| Disodium hydrogenphosphate<br>Molecular formula: $\text{Na}_2\text{HPO}_4$<br>Molecular weight: 119.959<br>CAS: 7558-79-4   | /              | < 10%                    |

No disclosure of specific components is required under the respective regulations.

## Section 4: FIRST AID MEASURES

### 4.1 Description of necessary first aid measures

#### Inhalation

After inhalation: fresh air

#### Dermal contact

## 4.2 Most important symptoms and health effects

Its symptoms and effects are currently unknown.

## 4.3 Instructions and directions for timely medical treatment and special treatment required

No data available.

## 4.4 Special tips for doctors

No data available.

## Section 5: FIRE FIGHTING MEASURES

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### 5.1 Extinguishing media

**Fire extinguishing methods and agents**

Adopt fire-fighting measures appropriate to the situation and surroundings.

**Unsuitable extinguishing agents**

No restrictions on extinguishing agents are specified for this substance/mixture.

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

The nature of the product after decomposition is unknown.

Non-combustible.

Surrounding sources of ignition may cause the release of hazardous vapours.

### 5.3 Fire Fighting Precautions and Protective Measures

None.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

Advice for non-emergency personnel Do not inhale vapours, aerosols. Evacuate hazardous areas, follow emergency procedures, seek expert advice. For personal protection, see Section 8.

### 6.2 Environmental protection measures

No special precautions necessary.

### 6.3 Sheltering of spilled chemicals, clean-up methods and disposal materials used

Comply with material restrictions that may apply (see parts 7 and 10).

### 6.4 Reference to other sections

See Section 13 for discard handling.

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## Section 7: HANDLING AND STORAGE

### 7.1 Precautions for safe operation

For preventive measures, see section 2.2.

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

Storage conditions: tightly closed.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameter

Does not contain substances with occupational exposure limits.

### 8.2 Exposure control

**Appropriate technical controls**

Change contaminated clothing. Wash your hands after using this substance. Protect your eyes with safety glasses that have been tested and approved according to official standards.

**individual protective equipment**

**Skin protection**

No requirements.

**Respiratory protection**

No requirements.

**Control of environmental exposure**

No special precautions necessary.

## Section 9: PHYSICAL AND CHEMICAL PROPERTION

### 9.1 Information on basic physical and chemical properties

|  |                    |
|--|--------------------|
| a) Appearance and shape                        | Fluids             |
| b) colour                                      | Colourless         |
| c) odours                                      | Odourless          |
| d) pH value                                    | Approx. 7.00 @20°C |
| e) Melting point/solidification point          | No data available  |
| f) Initial boiling point and boiling range     | No data available  |
| g) flash point                                 | No data available  |
| h) Evaporation rate                            | No data available  |
| i) flammable                                   | No data available  |
| j) High/low flammability or explosivity limits | No data available  |
| k) vapour pressure                             | No data available  |
| l) vapour density                              | No data available  |
| m) density                                     | No data available  |
| n) solubility                                  | No data available  |
| o) spontaneous combustion temperature          | No data available  |
| p) decomposition temperature                   | No data available  |
| q) stickiness                                  | No data available  |

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- r) Explosive properties
- s) oxidation

No data available

No data available

## 9.2 Other security information

No data available.

## Section 10: STABILITY AND REACTIVITY

### 10.1 Stability

This product is chemically stable under standard ambient conditions (room temperature).

### 10.2 hazardous reaction

Does not occur during normal processing.

### 10.3 Conditions to be avoided

No data available.

### 10.4 prohibition on disposable material

Strong oxidising agents, strong acids and strong bases.

### 10.5 Hazardous decomposition products

When a fire starts, see Section 5 Fire Fighting Measures.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Mixtures

No information available.

#### Acute toxicity

Transoral:

No data available.

Inhale:

No data available.

Transdermal:

No data available.

Skin corrosion/irritation

No data available.

Severe eye damage/eye irritation

No data available.

Breathing or skin allergies

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ system toxicity

No data available.

Inhalation hazard

No data available.

## 11.2 Additional notes

To the best of our knowledge, the chemical, physical and toxicological properties have not been fully investigated. Hazardous properties cannot be ruled out, but should not occur with proper handling.

## Section 12: ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

Mixtures No data available.

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulation potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Evaluation of results for PBT and vPvB

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

### 12.6 Other environmentally harmful effects

No data available.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste disposal methods

|                        |   |
|------------------------|---|
| Residues/waste         | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental regulations. |
| Contaminated packaging | Do not reuse empty containers   |

## Section 14: TRANSPORTATION INFORMATION

### 14.1 UN number

European Land Transport Dangerous Goods Regulations / ADR/RID: -  
International Maritime Dangerous Goods Regulations / IMDG: -  
International Air Transport Dangerous Goods Regulations / IATA-DGR: -

### 14.2 UN proper shipping name

European Land Transport Dangerous Goods Regulations / ADR/RID: Non-dangerous goods.  
International Maritime Dangerous Goods / IMDG: Non-dangerous goods.  
International Air Transport Dangerous Goods Regulations / IATA-DGR: Non-dangerous goods.

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

European Land Transport Dangerous Goods Regulations / ADR/RID: -  
International Maritime Dangerous Goods Regulations / IMDG: -  
International Air Transport Dangerous Goods Regulations / IATA-DGR: -

### 14.4 Packaging group

European Land Transport Dangerous Goods Regulations / ADR/RID: -  
International Maritime Dangerous Goods Regulations / IMDG: -  
International Air Transport Dangerous Goods Regulations / IATA-DGR: -

### 14.5 Environmental hazards

No environmental hazards.

### 14.6 Special precautions / Special precautions for user

None.

### 14.7 Other information

Not classified as dangerous goods under transport regulations.

## Section 15: REGULATORY INFORMATION

### 15.1 Regulations/laws specific to the safety, health and environment of the substance or mixture.

Law of the People's Republic of China on Prevention and Control of Occupational Diseases

Catalogue of occupational hazards Not applicable.

Catalogue of occupational diseases Not applicable.

### 15.2 Regulations on the Safe Management of Hazardous Chemicals

Catalogue of hazardous chemicals Not applicable.

GB 18218-2009 Identification of major sources of danger of dangerous chemicals Not applicable.

List of Priority Regulated Hazardous Chemicals Not applicable.

Catalogue of highly toxic substances Not applicable.

Catalogue of Toxic Chemicals Strictly Restricted for Import and Export in China Not applicable.

### 15.3 Environmental Management Approach for New Chemical Substances

Inventory of Existing Chemical Substances in China (IECSC) Conformity.

TSCA Conformity.

DSL/NDSL Conformity.

European Inventory of Existing Commercial Chemical Substances (EINECS) Conformity.

European Inventory of Notified Chemical Substances (ELINCS) Conformity.

Korea Existing Chemical List (KECL) Conformity.

Philippine Inventory of Chemicals and Chemical Substances (PICCS) Conformity.

TCSI Conformity.

AICS Conformity.

### 15.4 International regulations

Montreal Convention on Substances that Deplete the Ozone Layer Not applicable.

Stockholm Convention on Persistent Organic Pollutants Not applicable.

Rotterdam Convention Not applicable.

### 15.5 Other provisions

Please note that waste disposal should also fulfil the requirements of local regulations.



## Section 16: OTHER INFORMATION

### Other information

The above information is considered correct but is not all-inclusive and is intended to be used as a guide only. The information in this document is based on our current knowledge and applies to this product insofar as the correct safety precautions are concerned. This information does not represent a warranty as to the nature of this product and JENSPRIMA and its affiliates shall not be liable for any damages arising out of the operation of, or contact with, said product.