

## Safety Data Sheet

Title: **Buffer D2 SDS**

Document #: SDS-0007 / Revision. A

Status: Current; Effective Date: 03/30/2020

**PHASE**SCIENTIFIC

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### SAFETY DATA SHEET

#### Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND COMPANY IDENTIFICATION

##### 1.1 Product identifiers

Product Name Buffer D2

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

Identified uses Research-Use Only, Laboratory chemicals

##### 1.3 Details of the supplier of the safety data sheet

Manufacturer Phase Scientific International Limited  
32/F, Gravity, 29 Hing Yip Street,  
Hong Kong  
Phone: 852-3892-7200

##### 1.4 Emergency telephone number

Emergency Number +1 (657) 233-5880 [US]  
+852 3892 7200 [Hong Kong]

#### Section 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

Not a hazardous mixture according to Regulation (EC) No. 1272/2008

##### 2.2 Label elements

Not a hazardous mixture according to Regulation (EC) No. 1272/2008

##### 2.3 Other hazards

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1 Single Substance or Mixture

Mixtures of the substances listed below with harmless additions.  
No components need to be disclosed according to the applicable regulations.

#### Section 4: FIRST AID MEASURES

##### 4.1 Description of first aid measures

###### General advice

No special measures required.

###### Inhalation

Remove to fresh air. If symptoms persist, consult a physician.

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### **Skin contact**

Immediately wash with water and soap and rinse thoroughly.

### **Eye contact**

Rinse cautiously with water for several minutes.

### **Ingestion**

Rinse out mouth and then drink plenty of water. If symptoms persist, consult a physician.

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

The most important known symptoms and effects are described in the labelling (see Section 2.2) and/or in Section 11.

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

No data available.

## Section 5: FIRE-FIGHTING MEASURES

### **5.1 Extinguishing media**

Suitable extinguishing agents.

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Nature of decomposition products not known.

### **5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

Avoid breathing vapours, mist or gas. For personal protection see Section 8.

### **6.2 Environmental precautions**

No special environmental precautions required.

### **6.3 Methods and materials for containment and cleaning up**

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

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

For disposal see Section 13.

## Section 7: HANDLING AND STORAGE

### **7.1 Precautions for safe handling**

Avoid inhalation of vapour or mist. For precautions see Section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

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

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### 8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice

#### Personal protective equipment

##### Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Body Protection

Protecting work clothing.

##### Control of environmental exposure

No special environmental precautions required.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Clear solution
<b>Odour</b>	No data available
<b>pH value</b>	No data available
<b>Melting point</b>	No data available
<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point</b>	No data available

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<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Water solubility</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidizing properties</b>	No data available

**9.2 Other safety information** No data available

**Section 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	No data available
<b>10.2 Chemical stability</b>	No data available
<b>10.3 Possibility of hazardous reactions</b>	No data available
<b>10.4 Conditions to avoid</b>	No data available
<b>10.5 Incompatible materials</b>	No data available
<b>10.6 Hazardous decomposition products</b>	No data available

**Section 11: TOXICOLOGICAL INFORMATION**

<b>11.1 Information on toxicological effects</b>	
<b>Acute toxicity</b>	No data available
<b>Skin irritation/corrosion</b>	No data available
<b>Serious eye damage/eye irritation</b>	No data available
<b>Respiratory or skin sensitization</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>STOT-single exposure</b>	No data available
<b>STOT-repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

**Section 12: ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b>	No data available
<b>12.2 Persistence and degradability</b>	No data available
<b>12.3 Bio-accumulative potential</b>	No data available
<b>12.4 Mobility in soil</b>	No data available
<b>12.5 Results of PBT and vPvB assessment</b>	No data available
<b>12.6 Other adverse effects</b>	No data available

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### Section 13: DISPOSAL CONSIDERATIONS

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

##### **Waste from residues**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

##### **Contaminated container and contaminated packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Section 14: TRANSPORT INFORMATION

<b>14.1 UN number: ADR, ADN, IMDG, IATA</b>	-
<b>14.2 UN proper shipping name: ADR, ADN, IMDG, IATA</b>	-
<b>14.3 Transport hazard class(es): ADR, AND, IMDG, IATA</b>	-
<b>14.4 Packaging group: ADR, IMDG, IATA</b>	-
<b>14.5 Environmental hazards: Marine pollutant</b>	-
<b>14.6 Special precautions for user</b>	No data available

### Section 15: REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out.

### Section 16: OTHER INFORMATION

#### **Further information**

This information is based on our present knowledge. The information given is designed only as a guidance for safe handling and is not to be considered a warranty or quality specification. All materials and mixtures may present unknown hazards and should be used with caution.

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