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**MATERIAL SAFETY DATA SHEET**

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifiers**

Product name: PHOSPHOMOLYBDIC ACID 1%  
Brand: Solmedia Ltd

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

PC 21 Laboratory chemicals

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

- Name of Supplier: Solmedia Ltd.  
- Address of Supplier: Unit 2, Vernon Drive  
Battlefield Enterprise Park  
Shrewsbury  
SY1 3TF  
UK  
- Telephone: 0844 80 80 900  
- Email: labsupplies@solmedialtd.com

**1.4 Emergency telephone number**

Emergency Phone # +44 (0)844 80 80 900

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**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

GHS07

Acute Tox. 4	H302	Harmful if swallowed
Acute Tox. 4	H312	Harmful in contact with skin
Skin Irr. 2	H315	Causes skin irritation
Skin Sens. 1B	H317	May cause an allergic skin reaction

**2.2 Label elements**

GHS007

**Hazard statements:** H302+H312 Harmful if swallowed or in contact with skin  
H315: Causes skin irritation.

H317 May cause an allergic skin reaction

**Signal words:** Warning**Precautionary statements:**

P261: Avoid breathing dust/fumes/gas/mist/vapour spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P321: Specific treatment (see on this label)

P301+P312: IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell

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

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

## 2.3 Other hazards

PBT: Results of PBT and vPvB – not applicable

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Description: Mixture of substances listed below with non-hazardous additions

Dangerous components: Void

Additional Information: For the wording of the listed risk phrases refer to section 16

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General:** Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident**Skin contact:** Wash immediately with soap and water and rinse thoroughly.**Eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor.**Ingestion:** Call for a doctor immediately**Inhalation:** Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation,

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

No further relevant information available

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

No further relevant information available

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### **SECTION 5: Firefighting measures**

#### **5.1 Extinguishing media**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

No further relevant information available

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

No special measures required

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### **SECTION 6: Accidental release measures**

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

Not required

#### **6.2 Environmental precautions**

No special measures required

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

Dispose contaminated material as waster according to item 13

Ensure adequate ventilation.

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

See section 7 for information on safe handling

See section 8 for information on personal protection equipment

See section 13 for disposal information

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### **SECTION 7: Handling and storage**

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

Ensure good ventilation/exhaustion at the workplace

Prevent formation of aerosols

#### **Information about fire – and explosion protection:**

No special measures required

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage:

#### Requirements to be met by storerooms and receptacles:

No special requirements

#### Information about storage in one common storage facility:

Not required

#### Further information about storage conditions:

Keep container tightly sealed

## 7.3 Specific end use(s)

No further relevant information available

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## SECTION 8: Exposure controls/personal protection

### Additional information about design of technical facilities:

No further data; see item 7.

## 8.1 Control parameters

### Ingredients with limit values that require monitoring at the workplace:

This product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

**Additional information:** The lists valid during the making were used as basis.

## 8.2 Exposure controls

### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

#### Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

#### Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/substance/preparation.

Due to missing tests no recommendation to the glove material can be given for the product/preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

#### **Material of gloves:**

The selection of the suitable glove does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### **Penetration time of glove material**

The exact break through time has to be found out by the manufacture of the protective gloves and has to be observed

**Eye protection:** Tightly sealed goggles

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## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

#### **General Information:**

##### **Appearance:**

<b>Form:</b>	Liquid
<b>Colour</b>	Blue
<b>Odour</b>	Acetone-like
<b>Odour threshold</b>	Not determined
<b>pH-Value</b>	Not determined

##### **Change in condition:**

##### **Melting point/Melting range**

Undetermined

##### **Boiling point/Boiling range**

Undetermined

**Flash point:** Not applicable

##### **Flammability (solid, gaseous)**

Not applicable

**Ignition temperature:**

**Decomposition temperature**

Not determined

**Self-igniting** Product is not self-igniting

**Danger of explosion** Product does not present an explosion hazard

**Explosion limits:**

**Lower** Not determined

**Upper** Not determined

**Vapour pressure at 20°C** 23 hPa

**Density:** Not determined

**Relative density:** Not determined

**Vapour density:** Not determined

**Evaporation rate:** Not determined

**Solubility in / Miscibility with water:**

Not miscible or difficult to mix

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

Not determined

**Viscosity:**

**Dynamic:** Not determined

**Kinematic:** Not determined

**Solvent content:**

**Organic solvents** 0.0%

**Water:** 98.6%

**VOC (EC):** 0.0%

**Solids Content** 0.7%

## 9.2 Other safety information

No further relevant information available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No further relevant information available

## 10.2 Chemical stability

### **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications

## 10.3 Possibility of hazardous reactions

No dangerous reactions known

## 10.4 Conditions to avoid

No further relevant information available

## 10.5 Incompatible materials

No further relevant information available

## 10.6 Hazardous decomposition products

No dangerous decomposition products known

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity** Harmful if swallowed or in contact with skin

**Primary irritant effect:**

**Skin corrosion/irritation**

Causes skin irritation

**Serious eye damage/irritation**

Based on available data, the classification criteria are not met

**Respiratory or skin sensitisation**

May cause an allergic skin reaction

**CMR Effects (Carcinogenicity, mutagenicity and toxicity for reproduction)**

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met

**Carcinogenicity**

Based on available data, the classification criteria are not met

**Reproductive toxicity**

Based on available data, the classification criteria are not met

**STOT- single exposure**

Based on available data, the classification criteria are not met

**STOT-repeated exposure**

Based on available data, the classification criteria are not met

**Aspiration Hazard**

Based on available data, the classification criteria are not met

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**SECTION 12: Ecological information**

**12.1 Toxicity**

**Aquatic toxicity**

No further relevant information available

**12.2 Persistence and degradability**

No further relevant information available

**12.3 Bioaccumulative potential**

No further relevant information available

**12.4 Mobility in soil**

No further relevant information available

**Additional ecological information**

**General notes:**

Generally not hazardous for water

**12.5 Results of PBT and vPvB assessment**

Not applicable

**12.6 Other adverse effects**

No further relevant information available

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Recommendation**

Must not be disposed together with household garbage.

Do not allow product to reach sewage system

**Uncleaned packaging:**

**Recommendation**



Disposal must be made according to official regulations

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal

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## SECTION 14: Transport information

### 14.1. UN number

**ADR, AND, IMDG, IATA**

Not regulated

### 14.2. UN proper shipping name

**ADR, AND, IMDG, IATA**

Not regulated

### 14.3. Transport hazard class(es)

**ADR, AND, IMDG, IATA**

Not regulated

### 14.4. Packing group

**ADR, IMDG, IATA**

Not regulated

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC code

Not applicable

**UN "Model Regulation"**

Not regulated

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## 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 (Directive 2012/18/EU)

Named dangerous substances – ANNEX I None of the ingredients is listed

### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out

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#### **SECTION 16: Other information**

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

##### **Further information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Solmedia Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.