

---

## MATERIAL SAFETY DATA SHEET

---

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

**Product Name:** POTASSIUM PERMANGANATE (0.5% AQUEOUS)  
**Product Code:** MIC506  
**Brand:** Solmedia Ltd

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

**Identified uses:** PC21: 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

---

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification under CLP:

Aquatic Chronic 3: H412

##### Most important adverse effects:

Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Label elements under CLP:



##### Hazard statements:

H412: Harmful to aquatic life with long lasting effects.

**Precautionary statements:**

P273: Avoid release to the environment.

P501: Dispose of contents/container to an approved waste disposal plant.

**2.3 Other hazards****Other hazards:** No data available.**PBT:** This product is not identified as a PBT/vPvB substance.

---

**SECTION 3: Composition/information on ingredients****3.2 Mixtures**

## POTASSIUM PERMANGANATE

EINECS	CAS	CLP Classification	Percent
231-760-3	7722-64-7	Ox. Sol. 2: H272; Acute Tox. 4: H302; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%

---

**SECTION 4: First aid measures****4.1 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:**

Wash out mouth with water.

**Inhalation:**

Move to fresh air in case of accidental inhalation of vapours. If unconscious, check for breathing and apply artificial respiration if necessary.

**4.2 Most important symptoms and effects, both acute and delayed****Skin contact:**

There may be mild irritation at the site of contact.

**Eye contact:**

There may be irritation and redness.

**Ingestion:**

There may be irritation of the throat.

**Inhalation:**

No symptoms.

**Delayed / immediate effects:**

No data available.

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

Not applicable

---

**SECTION 5: Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

In combustion emits toxic fumes.

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

---

**SECTION 6: Accidental release measures**

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

Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

**6.2 Environmental precautions**

Do not discharge into drains or rivers. Contain the spillage using bunding.

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

Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4 Reference to other sections**

Refer to section 8 of SDS.

---

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Normal measures for preventive fire protection.

For precautions see section 2.2.

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

#### Storage conditions:

Store in cool, well ventilated area. Keep container tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

#### Suitable packaging:

Not applicable.

### 7.3 Specific end use(s)

No data available

---

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No data available

#### 8.1. DNEL/PNEC Values

No data available

### 8.2 Exposure controls

#### Engineering measures:

The floor of the storage room must be impermeable to prevent the escape of liquids.

#### Respiratory protection:

Respiratory protection not required.

#### Hand protection:

Protective gloves.

#### Eye protection:

Safety glasses.

#### Skin protection:

Protective clothing.

**Environmental:**

Do not let product enter drains.

---

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

**State:** Liquid

**9.2 Other safety information**

Not applicable

---

**SECTION 10: Stability and reactivity****10.1 Reactivity**

Stable under recommended transport or storage conditions.

**10.2 Chemical stability**

Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

**10.4 Conditions to avoid**

Heat

**10.5 Incompatible materials**

Strong oxidising agents. Strong acids.

**10.6 Hazardous decomposition products**

In combustion emits toxic fumes.

---

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Hazardous ingredients:****POTASSIUM PERMANGANATE**

ORL	MUS	LD50	2157	mg/kg
ORL	RAT	LD50	1090	mg/kg

**Toxicity values:** No data available.

**Symptoms / routes of exposure**

**Skin contact:**

There may be mild irritation at the site of contact.

**Eye contact:**

There may be irritation and redness.

**Ingestion:**

There may be irritation of the throat.

**Inhalation:**

No symptoms.

**Delayed / immediate effects:**

No data available.

**Other information:**

Not applicable.

---

**SECTION 12: Ecological information**

**12.1 Toxicity**

No data available

**12.2 Persistence and degradability**

Not biodegradable

**12.3 Bioaccumulative potential**

Bioaccumulation potential.

**12.4 Mobility in soil**

Readily absorbed into soil.

**12.5 Results of PBT and vPvB assessment**

This product is not identified as a PBT/vPvB substance.

**12.6 Other adverse effects**

Toxic to aquatic organisms. Toxic to soil organisms.

---

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Disposal operations:

Transfer to a suitable container and arrange for collection by specialised disposal company.

#### Recovery operations:

Not applicable.

#### Disposal of packaging:

Dispose of as unused product.

#### NB:

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

---

## SECTION 14: Transport information

### 14.1 UN number

UN3082

### 14.2 UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

### 14.3 Transport hazard class(es)

9

### 14.4 Packaging group

III

### 14.5 Environmental hazards

Yes

#### Marine pollutant

No

### 14.6 Special precautions for user

No special precautions.

---

## 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 for the substance or the mixture by the supplier.

---

### SECTION 16: Other information

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

\* indicates text in the SDS which has changed since the last revision.

#### Phrases used in s.2 and 3:

H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### 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.