

# Palintest

Water Analysis Technologies

## SAFETY DATA SHEET YELLOW 2 SOLUTION

According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

#### 1.1. Product identifier

Product name	YELLOW 2 SOLUTION
Product number	PT184, PT237, PTCALMULTI, LR-9980, SKW400, SKW400NPK, SKW500, PT228, PT270SPEC, PT296, PT802, PT804, PT753
UFI	UFI: DHU0-80WV-900H-TT60

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

Identified uses	Testing water
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#### 1.3. Details of the supplier of the safety data sheet

Supplier	PALINTEST LIMITED PALINTEST HOUSE TEAM VALLEY GATESHEAD TYNE & WEAR NE11 0NS ENGLAND TEL 0191 491 0808 FAX 0191 482 5372 palintest@palintest.com
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#### 1.4. Emergency telephone number

Emergency telephone	+44 (0)207 858 1228 (24hr)
National emergency telephone number	NHS Direct: 0845 4647 (England and Wales) NHS 24: 08454 24 24 24 (Scotland)

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

Physical hazards	Met. Corr. 1 - H290
Health hazards	Not Classified
Environmental hazards	Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word	Warning
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<b>Hazard statements</b>	EUH208 Contains POTASSIUM HEXACHLOROPLATINATE. May produce an allergic reaction. H290 May be corrosive to metals.
<b>Precautionary statements</b>	P234 Keep only in original packaging. P390 Absorb spillage to prevent material damage. P406 Store in a corrosion-resistant container with a resistant inner liner.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>HYDROCHLORIC ACID 37%</b>		<b>&lt;3.1%</b>
CAS number: 7647-01-0	EC number: 231-595-7	REACH registration number: 01-2119484862-27-XXXX
<b>Classification</b>		
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335		
<b>POTASSIUM HEXACHLOROPLATINATE</b>		<b>&lt;0.5%</b>
CAS number: 16921-30-5	EC number: 240-979-3	REACH registration number: N/A
<b>Classification</b>		
Acute Tox. 3 - H301 Eye Dam. 1 - H318 Resp. Sens. 1 - H334 Skin Sens. 1 - H317		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments** When handled correctly, undamaged units represent no danger.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	When handled correctly, undamaged units represent no danger.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Keep affected person under observation. Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**Inhalation** May cause respiratory irritation.

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<b>Ingestion</b>	May cause irritation.
<b>Skin contact</b>	Prolonged contact may cause burns.
<b>Eye contact</b>	May cause severe eye irritation.

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

<b>Notes for the doctor</b>	No specific recommendations.
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### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

**Suitable extinguishing media** Use fire-extinguishing media suitable for the surrounding fire.

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

**Hazardous combustion products** No known hazardous decomposition products.

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

**Protective actions during firefighting** No specific firefighting precautions known.

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

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

#### **6.2. Environmental precautions**

**Environmental precautions** Not considered to be a significant hazard due to the small quantities used. However, large or frequent spills may have hazardous effects on the environment.

#### **6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** No specific clean-up procedure recommended.

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

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet.

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

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

**Usage precautions** Good personal hygiene procedures should be implemented. When handled correctly, undamaged units represent no danger.

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

**Storage precautions** Store in tightly-closed, original container in a dry and cool place. Keep separate from food, feedstuffs, fertilisers and other sensitive material.

#### **7.3. Specific end use(s)**

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### **SECTION 8: Exposure controls/Personal protection**

#### **8.1. Control parameters**

##### **Occupational exposure limits**

##### **HYDROCHLORIC ACID 37%**

Long-term exposure limit (8-hour TWA): WEL 1 ppm 2 mg/m<sup>3</sup> gas and aerosol mists

Short-term exposure limit (15-minute): WEL 5 ppm 8 mg/m<sup>3</sup> gas and aerosol mists

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WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.
<b>Hand protection</b>	No specific hand protection recommended. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It is recommended that gloves are made of the following material: Nitrile rubber.
<b>Hygiene measures</b>	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Yellow.

#### 9.2. Other information

<b>Other information</b>	Not known.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable under the prescribed storage conditions.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not known.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	No known hazardous decomposition products.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<b>Toxicological effects</b>	May be harmful if swallowed.
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<b>Other health effects</b>	May cause an allergic skin reaction. May cause skin irritation. May cause serious eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
<b><u>Acute toxicity - oral</u></b>	
<b>Summary</b>	May be harmful if swallowed.
<b>ATE oral (mg/kg)</b>	108,333.33
<b><u>Acute toxicity - dermal</u></b>	
<b>Summary</b>	May cause an allergic skin reaction. May cause skin irritation.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Summary</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
<b><u>Skin corrosion/irritation</u></b>	
<b>Summary</b>	May cause skin irritation.
<b><u>Serious eye damage/irritation</u></b>	
<b>Summary</b>	May cause serious eye damage.
<b><u>Respiratory sensitisation</u></b>	
<b>Summary</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b><u>Skin sensitisation</u></b>	
<b>Summary</b>	May cause an allergic skin reaction.
<b>Inhalation</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Skin contact</b>	May cause skin irritation. May cause an allergic skin reaction.
<b>Eye contact</b>	May cause serious eye damage.

### SECTION 12: Ecological information

**Ecotoxicity** Not considered to be a significant hazard due to the small quantities used. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

**Toxicity** No information available.

#### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

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### 12.6. Other adverse effects

**Other adverse effects**                      No data available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods**                      No specific disposal method required.

### SECTION 14: Transport information

**General**                                      As supplied, this product is consigned under the Excepted Quantities provisions. When handled correctly, undamaged units represent no danger.

#### 14.1. UN number

**UN No. (ADR/RID)**                      1789

**UN No. (IMDG)**                         1789

**UN No. (ICAO)**                         1789

**UN No. (ADN)**                         1789

#### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)**      HYDROCHLORIC ACID

**Proper shipping name (IMDG)**        HYDROCHLORIC ACID

**Proper shipping name (ICAO)**        HYDROCHLORIC ACID

**Proper shipping name (ADN)**        HYDROCHLORIC ACID

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

**ADR/RID class**                            8

**ADR/RID classification code**        C1

**ADR/RID label**                         8

**IMDG class**                              8

**ICAO class/division**                 8

**ADN class**                                8

#### **Transport labels**



#### 14.4. Packing group

**ADR/RID packing group**                III

**IMDG packing group**                  III

**ICAO packing group**                  III

**ADN packing group**                    III

#### 14.5. Environmental hazards

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### Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

IMDG Code segregation group 1. Acids

EmS F-A, S-B

ADR transport category 3

Emergency Action Code 2R

Hazard Identification Number (ADR/RID) 80

Tunnel restriction code (E)

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

### SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

#### 15.2. Chemical safety assessment

No data available.

### SECTION 16: Other information

Revision comments NOTE: Lines within the margin indicate significant changes from the previous revision.

Issued by L. Morgan

Revision date 22/12/2020

Revision 12

Supersedes date 01/10/2020

SDS status Approved.

Hazard statements in full H290 May be corrosive to metals.  
H301 Toxic if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H335 May cause respiratory irritation.  
EUH208 Contains POTASSIUM HEXACHLOROPLATINATE. May produce an allergic reaction.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.