

# Palintest

Water Analysis Technologies

## SAFETY DATA SHEET YELLOW 2 SOLUTION

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

### 1. Identification

#### Product identifier

**Product name** YELLOW 2 SOLUTION

**Product number** PT184, PT237, PTCALMULTI, LR-9980, SKW400, SKW400NPK, SKW500, PT228, PT270SPEC, PT296, PT802, PT804, PT753

#### Recommended use of the chemical and restrictions on use

**Application** Testing water

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

**Supplier** PALINTEST USA  
400 CORPORATE CIRCLE  
SUITE J  
GOLDEN  
COLORADO  
80401  
USA  
Tel: (720) 221-6878  
Fax: (720) 496-4766  
info@palintestusa.com

#### Emergency telephone number

**Emergency telephone** +44 (0)207 858 1228 (24hr)

**National emergency telephone number** +44 (0)207 858 1228 (24hr)

### 2. Hazard(s) identification

#### Classification of the substance or mixture

**Physical hazards** Met. Corr. 1 - H290

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317

**Environmental hazards** Not Classified

#### Label elements

##### Hazard symbols



**Signal word** Danger

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**Hazard statements**

H290 May be corrosive to metals.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H317 May cause an allergic skin reaction.

**Precautionary statements**

P234 Keep only in original container.  
 P390 Absorb spillage to prevent material damage.  
 P406 Store in corrosive resistant container with a resistant inner liner.

**Contains** POTASSIUM HEXACHLOROPLATINATE

### Other hazards

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

### 3. Composition/information on ingredients

#### Mixtures

<b>HYDROCHLORIC ACID 37%</b>	<b>&lt;3.1%</b>
CAS number: 7647-01-0	
<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	
<b>Classification</b>	
Acute Tox. 3 - H301	
Eye Dam. 1 - H318	
Resp. Sens. 1 - H334	
Skin Sens. 1 - H317	

The full text for all hazard statements is displayed in Section 16.

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

### 4. First-aid measures

#### Description of first aid measures

**General information** When handled correctly, undamaged units represent no danger.

**Inhalation** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Ingestion** 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.

**Skin Contact** Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

**Eye contact** Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation	May cause respiratory irritation.
Ingestion	May cause irritation.
Skin contact	Prolonged contact may cause burns.
Eye contact	May cause severe eye irritation.

### Indication of immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
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### 5. Fire-fighting measures

#### Extinguishing media

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

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

Hazardous combustion products No known hazardous decomposition products.

#### Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

### 6. Accidental release measures

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

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

#### 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.

#### Methods and material for containment and cleaning up

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

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

### 7. Handling and storage

#### Precautions for safe handling

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

#### 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, fertilizers and other sensitive material.

#### Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

### 8. Exposure controls/Personal protection

#### Control parameters

#### Occupational exposure limits

HYDROCHLORIC ACID 37%

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Ceiling exposure limit: OSHA 5 ppm 7 mg/m<sup>3</sup>

Ceiling exposure limit: ACGIH 2 ppm 2.98 mg/m<sup>3</sup>

A4

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

### Exposure controls

#### Protective equipment



#### Eye/face protection

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.

#### Hand protection

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.

#### Hygiene measures

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

#### Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance	Clear liquid.
Color	Yellow.
Other information	Not known.

### 10. Stability and reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable under the prescribed storage conditions.
Possibility of hazardous reactions	Not known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	No known hazardous decomposition products.

### 11. Toxicological information

#### Information on toxicological effects

Toxicological effects	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 sensitization</u></b>	
<b>Summary</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b><u>Skin sensitization</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.

### 12. Ecological information

<b>Ecotoxicity</b>	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.
<b>Toxicity</b>	No information available.
<b><u>Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	There are no data on the degradability of this product.
<b><u>Bioaccumulative potential</u></b>	
<b>Bio-Accumulative Potential</b>	No data available on bioaccumulation.
<b><u>Mobility in soil</u></b>	
<b>Mobility</b>	The product is soluble in water.
<b><u>Other adverse effects</u></b>	
<b>Other adverse effects</b>	No data available.

### 13. Disposal considerations

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### Waste treatment methods

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

### 14. Transport information

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

#### UN Number

UN No. (TDG)	1789
UN No. (IMDG)	1789
UN No. (ICAO)	1789
UN No. (DOT)	UN1789

#### UN proper shipping name

Proper shipping name (TDG)	HYDROCHLORIC ACID
Proper shipping name (IMDG)	HYDROCHLORIC ACID
Proper shipping name (ICAO)	HYDROCHLORIC ACID
Proper shipping name (DOT)	HYDROCHLORIC ACID

#### Transport hazard class(es)

DOT hazard class	8
DOT hazard label	8
TDG class	8
TDG label(s)	8
IMDG Class	8
ICAO class/division	8

#### Transport labels



#### DOT transport labels



#### Packing group

TDG Packing Group	III
IMDG packing group	III
ICAO packing group	III
DOT packing group	III

#### Environmental hazards

**Environmentally Hazardous Substance**  
No.

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### Special precautions for user

<b>IMDG Code segregation group</b>	1. Acids
<b>EmS</b>	F-A, S-B
<b>DOT reportable quantity</b>	RQ: Hydrogen chloride (174825.1748 lbs)

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

### 15. Regulatory information

#### US Federal Regulations

##### **CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)**

None of the ingredients are listed.

##### **SARA 313 Emission Reporting**

None of the ingredients are listed.

##### **CAA Accidental Release Prevention**

None of the ingredients are listed.

#### US State Regulations

##### **California Proposition 65 Carcinogens and Reproductive Toxins**

None of the ingredients are listed.

##### **Massachusetts "Right To Know" List**

None of the ingredients are listed.

##### **Rhode Island "Right To Know" List**

None of the ingredients are listed.

##### **Minnesota "Right To Know" List**

None of the ingredients are listed.

##### **New Jersey "Right To Know" List**

None of the ingredients are listed.

##### **Pennsylvania "Right To Know" List**

None of the ingredients are listed.

#### Inventories

##### **Canada - DSL/NDSL**

All the ingredients are listed or exempt.

##### **US - TSCA**

All the ingredients are listed or exempt.

##### **US - TSCA 12(b) Export Notification**

None of the ingredients are listed or exempt.

### 16. Other information

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

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<b>Issued by</b>	L. Morgan
<b>Revision date</b>	12/22/2020
<b>Revision</b>	12
<b>Supersedes date</b>	10/1/2020
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H290 May be corrosive to metals. H301 Toxic if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.

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.