

# Palintest

Water Analysis Technologies

## SAFETY DATA SHEET PALINTEST DE-ION PACK

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

### 1. Identification

#### Product identifier

**Product name** PALINTEST DE-ION PACK

**Product number** PT225OX, PTW10020OX, PTW10005U, PTW10005GO, PTW10005OX, PTW10005UNI, PTW10005DWSS, PTW10005UNIB, PT500, SK400NPK, WAG-WE10000, PTW10020, WAG-WE10040, WAG-WE10465, SKW400, SKW400NPK, SKW500, PTW10480, PTW10010, SK400, SK300, SK200, SK600, SK500, PTW10050, WAG-WE10191, PTW10010XA, PTW10030XA, PTW10030, PTW10005, PTW10006, CKH0225OX

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

**Application** Water treatment.

#### 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

**OSHA Regulatory Status** This Product is Hazardous under the OSHA Hazard Communication Standard.

**Physical hazards** Not Classified

**Health hazards** Eye Dam. 1 - H318

**Environmental hazards** Not Classified

#### Label elements

##### Hazard symbols



## PALINTEST DE-ION PACK

<b>Signal word</b>	Danger
<b>Hazard statements</b>	H318 Causes serious eye damage.
<b>Precautionary statements</b>	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a poison center/ doctor.
<b>Contains</b>	Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Sulfonated., Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Chloromethylated Trimethylamine-Quaternized Hydroxide.

### Other hazards

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

### 3. Composition/information on ingredients

#### Mixtures

<b>Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Chloromethylated Trimethylamine-Quaternized Hydroxide.</b>	<b>20-30%</b>
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CAS number: 69011-18-3

#### Classification

Eye Dam. 1 - H318

<b>Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Sulfonated.</b>	<b>20-30%</b>
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CAS number: 69011-20-7

#### Classification

Eye Dam. 1 - H318

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

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air at once.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink.
<b>Skin Contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause discomfort if swallowed.

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<b>Skin contact</b>	May cause skin irritation.
<b>Eye contact</b>	Risk of serious damage to eyes.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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### 5. Fire-fighting measures

#### Extinguishing media

**Suitable extinguishing media** Use: Water spray, foam, dry powder or carbon dioxide.

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

**Specific hazards** Dust may form explosive mixture with air.

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

#### Advice for firefighters

**Protective actions during firefighting** In case of fire and/or explosion do not breathe fumes.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 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. Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Methods for cleaning up** Take care as floors and other surfaces may become slippery. Avoid generation and spreading of dust. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

**Reference to other sections** See Section 1 for emergency contact information. Wear protective clothing as described in Section 8 of this safety data sheet. See Section 12 for additional information on ecological hazards.

### 7. Handling and storage

#### Precautions for safe handling

**Usage precautions** Good personal hygiene procedures should be implemented. Avoid inhalation of dust and contact with skin and eyes. Avoid contact with skin and eyes.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

#### Specific end uses(s)

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

### 8. Exposure controls/Personal protection

**Ingredient comments** No exposure limits known for ingredient(s).

#### Exposure controls

##### Protective equipment



**Appropriate engineering controls** Avoid inhalation of dust. No specific ventilation requirements.

**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: Dust-resistant, chemical splash goggles.

**Hand protection** Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber.

**Other skin and body protection** Wear appropriate clothing to prevent any possibility of skin contact.

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

**Respiratory protection** Respiratory protection may be required if excessive airborne contamination occurs. No specific requirements are anticipated under normal conditions of use.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Amorphous solid. Beads.
<b>Color</b>	Blue-green. Brownish.
<b>Odor</b>	Amine.
<b>pH</b>	pH (concentrated solution): 5.0 - 9.0
<b>Relative density</b>	1.0800 - 1.2000
<b>Solubility(ies)</b>	Insoluble in water.
<b>Decomposition Temperature</b>	190.0°C
<b>Particle size</b>	0.300 - 1.200 mm

### 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** No potentially hazardous reactions known. Will not polymerize.

**Conditions to avoid** There are no known conditions that are likely to result in a hazardous situation.

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<b>Materials to avoid</b>	Avoid contact with the following materials: Strong oxidizing agents. Strong mineral acids.
<b>Hazardous decomposition products</b>	No known hazardous decomposition products.

### 11. Toxicological information

#### Information on toxicological effects

<b>Toxicological effects</b>	No information available.
<b>Other health effects</b>	Causes serious eye damage.
<b><u>Acute toxicity - oral</u></b>	
<b>Summary</b>	No information available.
<b><u>Acute toxicity - dermal</u></b>	
<b>Summary</b>	No information available.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Summary</b>	No information available.
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	No information available.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Risk of serious damage to eyes.
<b><u>Respiratory sensitization</u></b>	
<b>Respiratory sensitization</b>	No information available.
<b><u>Skin sensitization</u></b>	
<b>Skin sensitization</b>	No information available.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	No information available.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	No information available.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	No information available.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	No information available.
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	No information available.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	No information available.
<b>Inhalation</b>	No information available.
<b>Ingestion</b>	No information available.
<b>Skin Contact</b>	No information available.
<b>Eye contact</b>	Causes serious eye damage.

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### 12. Ecological information

<b>Ecotoxicity</b>	There are no data on the ecotoxicity of this product. However, large or frequent spills may have hazardous effects on the environment.
<b>Toxicity</b>	No data available.
<b><u>Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	Not expected to be readily biodegradable.
<b><u>Bioaccumulative potential</u></b>	
<b>Bio-Accumulative Potential</b>	Bioaccumulation is unlikely.
<b><u>Mobility in soil</u></b>	
<b>Mobility</b>	The product is insoluble in water and will sediment in water systems.
<b><u>Other adverse effects</u></b>	
<b>Other adverse effects</b>	None known.

### 13. Disposal considerations

#### **Waste treatment methods**

<b>General information</b>	Waste material and any included combustible absorbent and containers should be suitable for incineration at an approved facility.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 14. Transport information

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
<b><u>UN Number</u></b>	
<b>UN No. (International)</b>	Not applicable.
<b>UN No. (DOT)</b>	Not applicable.
<b><u>UN proper shipping name</u></b>	
<b>Proper shipping name (International)</b>	Not applicable.
<b>Proper shipping name (DOT)</b>	Not applicable.
<b><u>Transport hazard class(es)</u></b>	
<b>Transport Labels (International)</b>	No transport warning sign required.
<b>DOT transport labels</b>	
No transport warning sign required.	
<b><u>Packing group</u></b>	
<b>Packing group (International)</b>	Not applicable.
<b>DOT packing group</b>	Not applicable.
<b><u>Environmental hazards</u></b>	

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### Environmentally Hazardous Substance

No.

### Special precautions for user

Not applicable.

**DOT reportable quantity** Not applicable.

**DOT TIH Zone** Not applicable.

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

### 15. Regulatory information

#### US Federal Regulations

##### **SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

None of the ingredients are listed.

##### **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.

##### **SARA (311/312) Hazard Categories**

*Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Chloromethylated Trimethylamine-Quaternized Hydroxide.*

Acute

*Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Sulfonated.*

Acute

#### 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**

The following ingredients are listed:

*Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Chloromethylated Trimethylamine-Quaternized Hydroxide.*

*Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Sulfonated.*

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### Pennsylvania "Right To Know" List

The following ingredients are listed:

*Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Chloromethylated Trimethylamine-Quaternized Hydroxide.*

*Diethenyl Benzene Polymer with Ethenylbenzene and Ethenylethylbenzene Sulfonated.*

### 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.

### 16. Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Issued by</b>	L. Morgan
<b>Revision date</b>	5/26/2021
<b>Revision</b>	18
<b>Supersedes date</b>	5/19/2021
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H318 Causes serious eye damage.

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.