

# Palintest

Water Analysis Technologies

## SAFETY DATA SHEET NITRATEST POWDER

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

### 1. Identification

#### Product identifier

**Product name** NITRATEST POWDER

**Product number** PT225OX, AT-1637, AKW163, PTW10480, CM163, AP163, AK163, APW163, PM163, PTW10010XA, PTW10030XA, PTW10030, WAG-WE10480RPU, PTW10010, PTW10800, CKH0225OX

#### 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** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

#### Label elements

##### Hazard symbols



**Signal word** Warning

**Hazard statements** H410 Very toxic to aquatic life with long lasting effects.

## NITRATE TEST POWDER

**Precautionary statements** P273 Avoid release to the environment.  
P391 Collect spillage.  
P501 Dispose of contents/ container in accordance with local regulations.

### Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

### 3. Composition/information on ingredients

#### Mixtures

<b>BARIUM SULFATE</b> CAS number: 7727-43-7	<b>60-80%</b>
<b>Classification</b> Not Classified	
<b>ZINC POWDER - ZINC DUST (STABILISED)</b> CAS number: 7440-66-6 M factor (Acute) = 1                      M factor (Chronic) = 1	<b>30-40%</b>
<b>Classification</b> Pyr. Sol. 1 - H250 Water-react. 1 - H260 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

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

### 4. First-aid measures

#### Description of first aid measures

**Inhalation** Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

**Ingestion** Never give anything by mouth to an unconscious person. 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** Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

**Eye contact** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

**Inhalation** No specific symptoms known.

**Ingestion** No specific symptoms known.

**Skin contact** May cause irritation.

**Eye contact** No specific symptoms known.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## NITRATE TEST POWDER

### 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** Avoid release to the environment.

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

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

**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.

#### 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

##### **BARIUM SULFATE**

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> respirable fraction

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m<sup>3</sup> inhalable fraction

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists.

**Ingredient comments** OES = Occupational Exposure Standard. MEL = Maximum Exposure Limit. ACGIH = US Standard.

#### Exposure controls

## NITRATE TEST POWDER

### Protective equipment



<b>Eye/face protection</b>	The following protection should be worn: Chemical splash goggles.
<b>Hand protection</b>	It is recommended that chemical-resistant, impervious gloves are worn. It is recommended that gloves are made of the following material: Nitrile rubber.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<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.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Dusty powder.
<b>Color</b>	Grey.
<b>Solubility(ies)</b>	Slightly soluble in water.
<b>Other information</b>	No data available.

### 10. Stability and reactivity

<b>Reactivity</b>	Reacts violently with strong acids.
<b>Stability</b>	Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	Will not polymerize.
<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation. Avoid contact with acids.
<b>Materials to avoid</b>	Strong 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.
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### 12. Ecological information

<b>Ecotoxicity</b>	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
<b>Toxicity</b>	Very toxic to aquatic organisms.

## NITRATE TEST POWDER

### Persistence and degradability

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

### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

### Mobility in soil

**Mobility** The product is miscible with water and may spread in water systems.

### Other adverse effects

**Other adverse effects** None known.

## 13. Disposal considerations

### Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses. Toxic to aquatic organisms.

## 14. Transport information

**General** Classified as UN3077 but product not covered by transport regulations due to Special Provisions A158.

**Air transport notes** This product is not subject to transport regulations as it complies with the conditions of Special Provision A197 of IATA.

### UN Number

**UN No. (TDG)** 3077

**UN No. (IMDG)** 3077

**UN No. (ICAO)** 3077

**UN No. (DOT)** 3077

### UN proper shipping name

**Proper shipping name (TDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER - ZINC DUST (STABILISED))

**Proper shipping name (IMDG)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER - ZINC DUST (STABILISED))

**Proper shipping name (ICAO)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER - ZINC DUST (STABILISED))

**Proper shipping name (DOT)** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (ZINC POWDER - ZINC DUST (STABILISED))

### Transport hazard class(es)

**TDG class** 9

**TDG label(s)** 9

**IMDG Class** 9

**ICAO class/division** 9

## NITRATE TEST POWDER

### 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



### Special precautions for user

EmS F-A, S-F

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

## 15. Regulatory information

**Guidance** Material Safety Data Sheets for Substances and Preparations.

### US Federal Regulations

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

None of the ingredients are listed.

#### SARA 313 Emission Reporting

##### ZINC POWDER - ZINC DUST (STABILISED)

1.0 %  
1.0 %  
1.0 %

#### 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

ZINC POWDER - ZINC DUST (STABILISED)

#### Minnesota "Right To Know" List

## NITRATE TEST POWDER

*SILICA*

*BARIUM SULFATE*

### New Jersey "Right To Know" List

None of the ingredients are listed or exempt.

### 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

<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>	12/22/2020
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H250 Catches fire spontaneously if exposed to air. H260 In contact with water releases flammable gases which may ignite spontaneously. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

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.