

# Palintest

Water Analysis Technologies

## SAFETY DATA SHEET AMMONIA No. 2 TABLETS

According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR)

### 1. Identification

#### Product identifier

**Product name** AMMONIA No. 2 TABLETS

**Product number** PK152, PT753, CM152, PTW10480, AP152, AK152, PM152, PTS042, PTH7096, PTH042, AKW152, APW152, CKH1152, PTW10010, PTW10010XA, PTW10030XA, PTW10030, WAG-WE10480RPU, PTW10800

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

**Restriction on use** 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 identification

#### Classification of the substance or mixture

**Physical hazards** Not Classified

**Health hazards** Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318

**Environmental hazards** Aquatic Acute 2 - H401

#### Label elements

##### Pictogram



**Signal word** Danger

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<b>Hazard statements</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H401 Toxic to aquatic life.
<b>Precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P501 Dispose of contents/ container in accordance with local regulations.
<b>Contains</b>	LITHIUM HYDROXIDE, CALCIUM HYPOCHLORITE

### Other hazards

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

### 3. Composition/information on ingredients

#### Mixtures

<b>LITHIUM HYDROXIDE</b> <span style="float: right;"><b>30-40%</b></span> CAS number: 1310-66-3
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318
<b>CALCIUM HYPOCHLORITE</b> <span style="float: right;"><b>&lt;3.1%</b></span> CAS number: 7778-54-3 M factor (acute) = 10
<b>Classification</b> Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400
<b>CALCIUM HYDROXIDE</b> <span style="float: right;"><b>&lt;0.5%</b></span> CAS number: 1305-62-0
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335

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

### 4. First-aid measures

#### Description of first aid measures

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<b>Inhalation</b>	Unlikely route of exposure as the product does not contain volatile substances.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
<b>Eye contact</b>	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

<b>Inhalation</b>	This is unlikely to occur but symptoms similar to those of ingestion may develop.
<b>Ingestion</b>	May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.
<b>Skin contact</b>	Burns can occur.
<b>Eye contact</b>	May cause blurred vision and serious eye damage.

### Indication of any 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 fire-extinguishing media suitable for the surrounding fire.

### Specific hazards arising from the hazardous product

**Hazardous combustion products** Heating may generate the following products: Toxic and corrosive gases or vapours.

### 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.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers.

### Reference to other sections

**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

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**Storage precautions** Keep separate from food, feedstuffs, fertilisers and other sensitive material.

**Specific end use(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**

**CALCIUM HYDROXIDE**

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

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

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

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

**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**

It is recommended that chemical-resistant, impervious gloves are worn. Wear protective gloves 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**

<b>Appearance</b>	Solid
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>Solubility(ies)</b>	Soluble in water.
<b>Other information</b>	No data available.

### 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	Contact with acids liberates toxic gas.
<b>Conditions to avoid</b>	Avoid contact with acids.

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**Materials to avoid** Strong acids.

**Hazardous decomposition products** Heating may generate the following products: Toxic and corrosive gases or vapours.

### 11. Toxicological information

#### Information on toxicological effects

**Toxicological effects** No information available.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 1,118.08

### 12. Ecological Information

**Ecotoxicity** There are no data on the ecotoxicity of this product.

**Toxicity** No data available.

#### Persistence and degradability

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

#### Bioaccumulative potential

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

#### Mobility in soil

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

#### Other adverse effects

**Other adverse effects** No data available.

### 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.

### 14. Transport information

#### UN number

**UN No. (TDG)** 3262

**UN No. (IMDG)** 3262

**UN No. (ICAO)** 3262

**UN No. (DOT)** 3262

#### UN proper shipping name

**Proper shipping name (TDG)** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (LITHIUM HYDROXIDE, CALCIUM CHLORIDE)

**Proper shipping name (IMDG)** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (LITHIUM HYDROXIDE, CALCIUM CHLORIDE)

**Proper shipping name (ICAO)** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (LITHIUM HYDROXIDE, CALCIUM CHLORIDE)

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**Proper shipping name (DOT)** CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (LITHIUM HYDROXIDE, CALCIUM CHLORIDE)

**Transport hazard class(es)**

**TDG class** 8

**TDG label(s)** 8

**IMDG class** 8

**ICAO class/division** 8

**Transport labels****Packing group**

**TDG packing group** II

**IMDG packing group** II

**ICAO packing group** II

**DOT packing group** II

**Environmental hazards**

**Environmentally hazardous substance/marine pollutant**

No.

**Special precautions for user**

**EmS** F-A, S-B

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

**15. Regulatory information****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**

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

**Issued by** L. Morgan

**Revision date** 31/07/2018

**Revision** 17

## AMMONIA No. 2 TABLETS

<b>Supersedes date</b>	17/04/2018
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H272 May intensify fire; oxidizer. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H401 Toxic to aquatic life.

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.