



SAFETY DATA SHEET AMMONIA No. 2 TABLETS

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name AMMONIA No. 2 TABLETS
Product No. PK 152, PM 152, AK 152, AP 152, AP 152WAG, WAG-WE10108, WAG-WE10304, WAG-WE10010, WAG-WE10030, WAG-WE10030-S, WAG-WE15152, AK 152WAG, PT 753, PTH 042, PTH 7096, PTS 042, CM 152, CKH 1152, WAG-WE10016, WAG-WE10480, WAG-WE10480RP U

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

Identified uses Testing water

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

1.4. Emergency telephone number

+44 (0) 191 491 0808 (MON-FRI 08:45-16:45)
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 (1999/45/EEC) Xn;R22. C;R34. R31.
Human health
See section 11 for additional information on health hazards.

2.2. Label elements

Contains LITHIUM HYDROXIDE
CALCIUM HYPOCHLORITE

Labelling



Corrosive



Harmful

Risk Phrases

R22	Harmful if swallowed.
R31	Contact with acids liberates toxic gas.
R34	Causes burns.

Safety Phrases

S24/25	Avoid contact with skin and eyes.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S46	If swallowed, seek medical advice immediately and show this container or label.

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2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

LITHIUM HYDROXIDE	30-60%	
CAS-No.: 1310-65-2	EC No.: 215-183-4	Registration Number: 01-2119560576-31-XXXX
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Corr. 1B - H314	Classification (67/548/EEC) Xn;R22. C;R34.	

CALCIUM HYPOCHLORITE	<5.5 %	
CAS-No.: 7778-54-3	EC No.: 231-908-7	Registration Number: 01-2119487005-40-XXXX
Classification (EC 1272/2008) Ox. Sol. 2 - H272 EUH031 Acute Tox. 4 - H302 Skin Corr. 1B - H314 STOT SE 3 - H335 Aquatic Acute 1 - H400	Classification (67/548/EEC) O;R8 C;R34 Xn;R22 R31 N;R50	

CALCIUM HYDROXIDE	< 1%	
CAS-No.: 1305-62-0	EC No.: 215-137-3	Registration Number: 01-2119475151-45-XXXX
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R38,R41.	

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

Composition Comments

WHEN DISSOLVED IN WATER THE TABLETS PRODUCE A SOLUTION WHOSE pH IS OUTSIDE OF THE RANGE QUOTED FOR 'EXTREME pH' (CLP 3.2.3.3.4.2). THEY ARE NOT CONSIDERED HAZARDOUS FOR TRANSPORT.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Unlikely route of exposure as the product does not contain volatile substances.

Ingestion

Rinse mouth thoroughly. Never give liquid to an unconscious person. Get medical attention.

Skin contact

Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring these instructions.

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

Inhalation

This is unlikely to occur but symptoms similar to those of ingestion may develop.

Ingestion

May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

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Skin contact
Burns can occur.
Eye contact
May cause blurred vision and serious eye damage.

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

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media
Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
When heated, toxic and corrosive vapours/gases may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures
No specific fire fighting procedure given.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Not relevant considering the small amounts used.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Stop leak if possible without risk. DO NOT touch spilled material! Absorb in vermiculite, dry sand or earth and place into containers.

6.4. 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

Observe good chemical hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C.

7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
CALCIUM HYDROXIDE	WEL		5 mg/m ³			
LITHIUM HYDROXIDE	WEL				1 mg/m ³	

WEL = Workplace Exposure Limit.

Ingredient Comments

Due to the hazardous nature of ingredients, exposure should be minimal. WEL = Workplace Exposure Limits

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8.2. Exposure controls

Protective equipment



Respiratory equipment

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

Hand protection

Protective gloves are recommended. Use protective gloves made of: Nitrile.

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Solid
Colour	White.
Odour	Odourless.
Solubility	Soluble in water.

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Avoid contact with acids.

10.5. Incompatible materials

Materials To Avoid

Strong acids.

10.6. Hazardous decomposition products

When heated, toxic and corrosive vapours/gases may be formed.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

No information available.

SECTION 12: ECOLOGICAL INFORMATION

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Ecotoxicity

There are no data on the ecotoxicity of this product.

12.1. Toxicity

No data available.

12.2. Persistence and degradability

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

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

Transport Labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

A chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Issued By	L. Morgan
Revision Date	18/02/2014
Revision	5
Supersedes date	24/05/2013
Safety Data Sheet Status	Approved.
Risk Phrases In Full	
R34	Causes burns.
R31	Contact with acids liberates toxic gas.
R8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
Hazard Statements In Full	
EUH031	Contact with acids liberates toxic gas.
H272	May intensify fire; oxidiser.
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.

Disclaimer

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.