



SAFETY DATA SHEET FLUORIDE No. 2 TABLETS

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

1.1. Product identifier

Product name FLUORIDE No. 2 TABLETS
Product No. AT-1805, AK 179, AP 179, CM 179, PM 179, WAG-WE10128, WAG-WE10480RP U, WAG-WE10322, WAG-WE10010, WAG-WE10030, WAG-WE10030-S, AT-1806, CKH 1179, WAG-WE15179,

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) Repr. Cat. 2;R60, R61. C;R34.
Human health
See section 11 for additional information on health hazards.

2.2. Label elements

Contains BORIC ACID
ZIRCONIUM (IV) OXYCHLORIDE OCTAHYDRATE

Labelling



Toxic



Corrosive

Risk Phrases

R34 Causes burns.
R60 May impair fertility.
R61 May cause harm to the unborn child.

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).
S53 Avoid exposure - obtain special instructions before use.
S60 This material and its container must be disposed of as hazardous waste.

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P11

Restricted to professional users.

2.3. Other hazards

Not Classified as PBT/vPvB by current EU criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

| | | |
|--|---|--|
| BORIC ACID | | 30-60% |
| CAS-No.: 10043-35-3 | EC No.: 233-139-2 | Registration Number: 01-2119486683-25-XXXX |
| Classification (EC 1272/2008) Repr. 1B - H360FD | Classification (67/548/EEC) Repr. Cat. 2;R60,R61 | |
| ZIRCONIUM (IV) OXYCHLORIDE OCTAHYDRATE | | 10-30% |
| CAS-No.: 13520-92-8 | EC No.: 231-717-9 | |
| Classification (EC 1272/2008) Not classified. | Classification (67/548/EEC) C;R34. | |
| SULPHAMIC ACID | | 10-30% |
| CAS-No.: 5329-14-6 | EC No.: 226-218-8 | Registration Number: 01-2119488633-28-XXXX |
| Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412 | Classification (67/548/EEC) Xi;R36/38 R52/53 | |

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

Get medical attention immediately!

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: Seek medical attention and bring along these instructions.

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

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

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.

Skin contact

May cause serious chemical burns to the skin.

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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. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Wear necessary protective equipment. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

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 in original container. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in a cool place. Store in a dry place.

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

Ingredient Comments

WEL = Workplace Exposure Limits No exposure limits noted for ingredient(s).

8.2. Exposure controls

Protective equipment



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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. Nitrile gloves are recommended.

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. Wash promptly if skin becomes contaminated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|------------|-------------------|
| Appearance | Solid |
| Colour | Pink. |
| 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

No data available.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

This material is toxic.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

There are no data on the ecotoxicity of this product. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

No data available.

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

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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 | This product is only classed as hazardous (excepted or limited quantity) when supplied in bottles. When supplied in blister strips the product is not classified as specified below in the air, sea and road transport notes. |
| Road Transport Notes | The product is not classified as packaged as per ADR 2013 section 3.5.1.4 |
| Sea Transport Notes | The product is not classified as packaged as per IMDG 2012 section 3.5.1.4 |
| Air Transport Notes | The product is not subject to the requirements of IATA as packaged based upon "De Minimis Quantities" as per IATA Dangerous Goods Regulations (54th edition) subsection 2.6.10.1 |

14.1. UN number

| | |
|----------------------|------|
| UN No. (ADR/RID/ADN) | 1759 |
| UN No. (IMDG) | 1759 |
| UN No. (ICAO) | 1759 |

14.2. UN proper shipping name

| | |
|----------------------|--|
| Proper Shipping Name | CORROSIVE SOLID, N.O.S. (ZIRCONIUM (IV) OXYCHLORIDE OCTAHYDRATE, SULPHAMIC ACID) |
|----------------------|--|

14.3. Transport hazard class(es)

| | |
|---------------------|--------------------------------|
| ADR/RID/ADN Class | 8 |
| ADR/RID/ADN Class | Class 8: Corrosive substances. |
| ADR Label No. | 8 |
| IMDG Class | 8 |
| ICAO Class/Division | 8 |
| Transport Labels | |



14.4. Packing group

| | |
|---------------------------|-----|
| ADR/RID/ADN Packing group | III |
| IMDG Packing group | III |
| ICAO Packing group | III |

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14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user

| | |
|-------------------------|----------|
| EMS | F-A, S-B |
| Emergency Action Code | 2X |
| Hazard No. (ADR) | 80 |
| Tunnel Restriction Code | (E) |

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.

Water hazard classification

N/A.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

| | |
|---------------------------|---|
| Issued By | L. Morgan |
| Revision Date | 12/02/2014 |
| Revision | 4 |
| Supersedes date | 11/04/2013 |
| Safety Data Sheet Status | Approved. |
| Risk Phrases In Full | |
| R34 | Causes burns. |
| R52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R36/38 | Irritating to eyes and skin. |
| R61 | May cause harm to the unborn child. |
| R60 | May impair fertility. |
| Hazard Statements In Full | |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H360FD | May damage fertility or the unborn child. |
| H412 | Harmful to aquatic life with long lasting effects. |

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.