1. Identification

Product identifier
Product name PHOSPHATE LR No. 1 TABLETS
Product number AK 177, AP 177, CM 177, CR 177, PM 177, WAG-WE10160, WAG-WE10356, WAG-WE15177
Internal identification X-177

Recommended use of the chemical and restrictions on use
Application Testing water

Details of the supplier of the safety data sheet
Supplier PALINTEST USA
1455 JAMIKE AVENUE
ERLANGER
KENTUCKY
41018
USA
859 341 7423
TOLL FREE 800 835 9629
859 341 2106
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 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335
Environmental hazards Not Classified

Label elements
Pictogram

Signal word Danger
Hazard statements H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.
PHOSPHATE LR No. 1 TABLETS

Precautionary statements
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/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.
P312 Call a poison center/doctor if you feel unwell.

Contains
POTASSIUM HYDROGENSULPHATE

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

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>POTASSIUM HYDROGENSULPHATE</th>
<th>60-80%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 7646-93-7</td>
<td>REACH registration number: N/A</td>
</tr>
</tbody>
</table>

Classification
Skin Corr. 1B - H314
Eye Dam. 1 - H318
STOT SE 3 - H335

<table>
<thead>
<tr>
<th>ADIPIC ACID</th>
<th>15-20%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 124-04-9</td>
<td>REACH registration number: 01-2119457561-38-XXXX</td>
</tr>
</tbody>
</table>

Classification
Eye Irrit. 2 - H319

<table>
<thead>
<tr>
<th>BORIC ACID</th>
<th>&lt;5.5%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 10043-35-3</td>
<td>REACH registration number: 01-2119486683-25-XXXX</td>
</tr>
</tbody>
</table>

Classification
Repr. 1B - H360FD

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition comments
The Data Shown is in accordance with the latest EC Directives.

4. First-aid measures

Description of first aid measures

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

Ingestion
Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact
Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
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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
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
Burns can occur.

Eye contact
May cause blurred vision and serious eye damage.

Indication of Immediate medical attention and special treatment needed

Notes for the doctor
Treat symptomatically.

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
Not considered to be a significant hazard due to the small quantities used. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

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

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 1.2.
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8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

ADIPIC ACID
Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³

BORIC ACID
Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³
Short-term exposure limit (15-minute): ACGIH 6 mg/m³
A4
ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.

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

ADIPIC ACID (CAS: 124-04-9)

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

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

Appearance
Solid

Color
White.

Odor
Odorless.

Solubility(ies)
Soluble in water.

Other information
No data available.

10. Stability and reactivity

Reactivity
There are no known reactivity hazards associated with this product.

Stability
Stable under the prescribed storage conditions.
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Possibility of hazardous reactions
No data available.

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

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

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

11. Toxicological information

Information on toxicological effects
Toxicological effects
No data available.

12. Ecological Information

Ecotoxicity
The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Toxicity
No data available.

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

Bioaccumulative potential
No data available on bioaccumulation.

Mobility in soil
Mobility
The product is soluble in water.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment
This substance is not classified as PBT or vPvB according to current EU criteria.

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

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

UN Number
UN No. (DOT)
2509
PHOSPHATE LR No. 1 TABLETS

UN No. (IMDG) 2509
UN No. (ICAO) 2509

UN proper shipping name
Proper shipping name (DOT) POTASSIUM HYDROGEN SULPHATE
Proper shipping name (IMDG) POTASSIUM HYDROGEN SULPHATE
Proper shipping name (ICAO) POTASSIUM HYDROGEN SULPHATE

Transport hazard class(es)
DOT hazard class 8
DOT hazard label Corrosive
TDG class 8
TDG label 8
IMDG Class 8
IMDG subsidiary risk
ICAO class/division 8
ICAO subsidiary risk

Transport labels

Packing group
DOT pack group II
IMDG packing group II
ICAO packing group II

Environmental hazards
Environmentally Hazardous Substance 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

US Federal Regulations
CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
None of the ingredients are listed.

SARA 313 Emission Reporting
None of the ingredients are listed.
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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
- ADIPIC ACID
- POTASSIUM ANTIMONY TARTRATE

Rhode Island "Right To Know" List
- ADIPIC ACID

Minnesota "Right To Know" List
- ADIPIC ACID

New Jersey "Right To Know" List
- POTASSIUM HYDROGENSULPHATE
- ADIPIC ACID
- POTASSIUM ANTIMONY TARTRATE

Pennsylvania "Right To Know" List
- ADIPIC ACID
- POTASSIUM ANTIMONY TARTRATE

Inventories
Canada - DSL/NDSL
All the ingredients are listed or exempt.

US - TSCA
- SODIUM HYDROGEN CARBONATE
- POTASSIUM HYDROGENSULPHATE
- ADIPIC ACID
- BORIC ACID
- ASCORBIC ACID

US - TSCA 12(b) Export Notification
None of the ingredients are listed.

16. Other information

Issued by: L. Morgan
Revision date: 5/27/2015
Revision: 9
Supersedes date: 5/21/2015
SDS status: Approved.
PHOSPHATE LR No. 1 TABLETS

Hazard statements in full
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H360FD May damage fertility if swallowed. May damage the unborn child if swallowed.

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.