



a xylem brand

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SAFETY DATA SHEET CHLORIDOL TABLETS

1. Identification

Product identifier

Product name CHLORIDOL TABLETS
Product number YAP268, YPM268,
Internal identification X-268

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 | DISTRIBUTOR: ADDRESS | YSI, INC 1700/1725 BRANNUM LANE YELLOW SPRINGS, OHIO 45387 USA |
| | | TELEPHONE E-MAIL | (937) 767-7241 MSDSINFO@XYLEMINC.COM |

Emergency telephone number

Emergency telephone +44 (0)207 858 1228 (24hr)
National emergency telephone number +44 (0)207 858 1228 (24hr)

Emergency telephone number: Chemtrec® :
 US & Canada) 800-424-9300
 (International) +1 (703) 527-3887

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335
Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Label elements

Pictogram



Signal word

Danger

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| | |
|---------------------------------|--|
| Hazard statements | <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H319 Causes serious eye irritation.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> |
| Precautionary statements | <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P302+P352 If on skin: Wash with plenty of water.</p> <p>P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/attention.</p> |
| Contains | POTASSIUM PERSULPHATE, POTASSIUM HYDROGENSULPHATE |

Other hazards

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

3. Composition/information on ingredients

Mixtures

| | |
|---|--|
| POTASSIUM PERSULPHATE | 30-60% |
| CAS number: 7727-21-1 | REACH registration number: 01-2119495676-19-XXXX |
| Classification Ox. Sol. 3 - H272 Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 STOT SE 3 - H335 | |
| POTASSIUM HYDROGENSULPHATE | 10-30% |
| CAS number: 7646-93-7 | REACH registration number: N/A |
| Classification Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 | |
| BORIC ACID | <5.5% |
| CAS number: 10043-35-3 | REACH registration number: 01-2119486683-25-XXXX |
| Classification Repr. 1B - H360FD | |

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| | |
|---|--|
| SILVER NITRATE | <5.5% |
| CAS number: 7761-88-8 | REACH registration number: 01-2119513705-43-XXXX |
| M factor (Acute) = 1000 | M factor (Chronic) = 100 |
| Classification Ox. Sol. 2 - H272 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | |

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

4. First-aid measures

Description of first aid measures

| | |
|---------------------|---|
| Inhalation | Unlikely route of exposure as the product does not contain volatile substances. 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 | This is unlikely to occur but symptoms similar to those of ingestion may develop. |
| Ingestion | May cause stomach pain or vomiting. |
| Skin contact | May cause skin irritation. |
| Eye contact | May cause eye irritation. |

Indication of immediate medical attention and special treatment needed

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

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.

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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 1.2.

8. Exposure Controls/personal protection

Control parameters

Occupational exposure limits

POTASSIUM PERSULPHATE

Long-term exposure limit (8-hour TWA): ACGIH 0,1 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

SILVER NITRATE

Long-term exposure limit (8-hour TWA): ACGIH 0,01 mg/m³

Short-term exposure limit (15-minute): ACGIH

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

Ingredient comments ACGIH = US Standard. Threshold Limit Values (2005), ACGIH, by the American Conference on Governmental Industrial Hygienists.

POTASSIUM PERSULPHATE (CAS: 7727-21-1)

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

Exposure controls

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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. It is recommended that gloves are made of the following material: Nitrile rubber. |
| Other skin and body protection | Wear appropriate clothing to prevent any possibility of skin contact. |
| 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 | Cream. |
| Odor | Odorless. |
| pH | pH (concentrated solution): 6.4 |
| 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. |
| 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 | No known hazardous decomposition products. |

11. Toxicological information

Information on toxicological effects

| | |
|------------------------------|--------------------|
| Toxicological effects | No data available. |
|------------------------------|--------------------|

Acute toxicity - oral

| | |
|-------------------------|----------|
| ATE oral (mg/kg) | 3,531.25 |
|-------------------------|----------|

12. Ecological Information

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Ecotoxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Not considered to be a significant hazard due to the small quantities used.

Toxicity

Toxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Not considered to be a significant hazard due to the small quantities used.

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 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

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.

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

UN Number

UN No. (DOT) 3260

UN No. (IMDG) 3260

UN No. (ICAO) 3260

UN proper shipping name

Proper shipping name (DOT) CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE, SILVER NITRATE)

Proper shipping name (IMDG) CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE, SILVER NITRATE)

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Proper shipping name (ICAO) CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE, SILVER NITRATE)

Transport hazard class(es)

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



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.

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

POTASSIUM PERSULPHATE

SILVER NITRATE

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Rhode Island "Right To Know" List

POTASSIUM PERSULPHATE

SILVER NITRATE

Minnesota "Right To Know" List

SILVER NITRATE

New Jersey "Right To Know" List

POTASSIUM PERSULPHATE

POTASSIUM HYDROGENSULPHATE

SILVER NITRATE

Pennsylvania "Right To Know" List

POTASSIUM PERSULPHATE

SILVER NITRATE

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

| | |
|----------------------------------|---|
| Issued by | L. Morgan |
| Revision date | 5/21/2015 |
| Revision | 9 |
| Supersedes date | 4/14/2015 |
| SDS status | Approved. |
| Hazard statements in full | <p>H272 May intensify fire; oxidizer.</p> <p>H302 Harmful if swallowed.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H319 Causes serious eye irritation.</p> <p>H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>H335 May cause respiratory irritation.</p> <p>H360FD May damage fertility if swallowed. May damage the unborn child if swallowed.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p> |

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.