

Palintest

Water Analysis Technologies

SAFETY DATA SHEET SULFIDE No. 2 TABLETS

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	SULFIDE No. 2 TABLETS
Product number	AK168, AP168, CM168, PM168, AT-1695, AT-1696, CKH1168, PT225OX, WAG-WE10170, CKH0225OX
UFI	UFI: AJ70-E0D4-M005-MCDR

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

Identified uses	Testing water
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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
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1.4. Emergency telephone number

Emergency telephone	+44 (0)207 858 1228 (24hr)
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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 (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Corr. 1B - H314 Eye Dam. 1 - H318 Muta. 1B - H340 Carc. 1B - H350 Repr. 1B - H360FD STOT SE 3 - H335
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Signal word

Danger

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Hazard statements	H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation. H340 May cause genetic defects. H350 May cause cancer. H360FD May damage fertility. May damage the unborn child. EUH208 Contains POTASSIUM DICHROMATE. May produce an allergic reaction.
Precautionary statements	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. P312 Call a POISON CENTRE/doctor if you feel unwell. P501 Dispose of contents/ container in accordance with local regulations.
Contains	POTASSIUM HYDROGENSULPHATE, BORIC ACID, POTASSIUM DICHROMATE
Supplementary precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe vapour/ spray. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P271 Use only outdoors or in a well-ventilated area. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313 IF exposed or concerned: Get medical advice/ attention. P310 Immediately call a POISON CENTER/ doctor. P321 Specific treatment (see medical advice on this label). P363 Wash contaminated clothing before reuse. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

POTASSIUM HYDROGENSULFATE	60-80%
CAS number: 7646-93-7	EC number: 231-594-1
	REACH registration number: N/A
Classification	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
ADIPIC ACID	10-20%
CAS number: 124-04-9	EC number: 204-673-3
	REACH registration number: 01-2119457561-38-XXXX
Classification	
Eye Irrit. 2 - H319	

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BORIC ACID	10-20%
CAS number: 10043-35-3	EC number: 233-139-2
	REACH registration number: 01-2119486683-25-XXXX
Substance of very high concern (SVHC). This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XVII - RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES.	

Classification

Repr. 1B - H360FD

POTASSIUM DICHROMATE	<0.5%
CAS number: 7778-50-9	EC number: 231-906-6
	REACH registration number: 01-2119454792-32-XXXX
M factor (Acute) = 1	
Substance of very high concern (SVHC). This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XIV - LIST OF SUBSTANCES SUBJECT TO AUTHORISATION.	

Classification

Ox. Sol. 2 - H272
 Acute Tox. 3 - H301
 Acute Tox. 4 - H312
 Acute Tox. 2 - H330
 Skin Corr. 1B - H314
 Eye Dam. 1 - H318
 Resp. Sens. 1 - H334
 Skin Sens. 1 - H317
 Muta. 1B - H340
 Carc. 1B - H350
 Repr. 1B - H360FD
 STOT SE 3 - H335
 STOT RE 1 - H372
 Aquatic Acute 1 - H400
 Aquatic Chronic 1 - H410

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

Composition comments This product contains a substance that is a SVHC. This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XIV - LIST OF SUBSTANCES SUBJECT TO AUTHORISATION.

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 with water. Get medical attention immediately.
Skin contact	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.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	May cause respiratory system irritation.
Ingestion	May cause chemical burns in mouth and throat. May cause stomach pain or vomiting. May damage fertility if swallowed. May damage the unborn child if swallowed. May cause cancer. Known or suspected mutagen.
Skin contact	May cause serious chemical burns to the skin.
Eye contact	May cause blurred vision and serious eye damage.

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

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Heating may generate the following products: Toxic and corrosive gases or vapours.
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5.3. Advice for firefighters

Protective actions during firefighting	No specific firefighting precautions known.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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6.2. Environmental precautions

Environmental precautions	Not considered to be a significant hazard due to the small quantities used. However, large or frequent spills may have hazardous effects on the environment.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.
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6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Good personal hygiene procedures should be implemented.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly-closed, original container in a dry and cool place.
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7.3. Specific end use(s)

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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

Occupational exposure limits

POTASSIUM DICHROMATE

Long-term exposure limit (8-hour TWA): WEL 0,05 mg/m³

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

Carc, Sen
as Cr

WEL = Workplace Exposure Limit.

Carc = Capable of causing cancer and/or heritable genetic damage.

Sen = Capable of causing occupational asthma.

8.2. 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. It is recommended that gloves are 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. Wash promptly if skin becomes contaminated.

Respiratory protection

Due to the physical nature of this product, exposure by this route is unlikely. No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Solid Tablet.

Colour Yellow.

Odour Odourless.

9.2. Other information

Other information No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No data available.

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10.4. Conditions to avoid

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 material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products There are no anticipated hazardous decomposition products associated with this material.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects This product is toxic. May cause genetic defects. May damage fertility if swallowed. May damage the unborn child if swallowed. May cause cancer.

Other health effects Causes severe skin burns and eye damage. May cause respiratory irritation.

Acute toxicity - oral

Summary May damage fertility if swallowed. May damage the unborn child if swallowed.

ATE oral (mg/kg) 50,909.09

Acute toxicity - dermal

Summary Causes severe skin burns and eye damage.

Acute toxicity - inhalation

Summary May cause respiratory irritation.

ATE inhalation (dusts/mists mg/l) 26.67

Skin corrosion/irritation

Summary Causes severe skin burns and eye damage.

Serious eye damage/irritation

Summary Causes serious eye damage.

Respiratory sensitisation

Summary May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Carcinogenicity

Summary May cause cancer.

Reproductive toxicity

Summary May damage fertility if swallowed. May damage the unborn child if swallowed.

Inhalation May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Ingestion May damage fertility if swallowed. May damage the unborn child if swallowed.

Skin contact Causes severe skin burns and eye damage.

Eye contact Causes serious eye damage.

SECTION 12: Ecological information

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Ecotoxicity Dangerous for the environment. May cause long-term adverse effects in the aquatic environment. Not considered to be a significant hazard due to the small quantities used.

12.1. Toxicity

Toxicity The product contains a substance which is harmful to aquatic organisms.

12.2. Persistence and degradability

Persistence and 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

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

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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 section 3.5.1.4

Sea transport notes The product is not classified as packaged as per IMDG 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 subsection 2.6.10.1

14.1. UN number

UN No. (ADR/RID) 1759

UN No. (IMDG) 1759

UN No. (ICAO) 1759

14.2. UN proper shipping name

Proper shipping name (ADR/RID) CORROSIVE SOLID, N.O.S. (POTASSIUM HYDROGENSULPHATE, POTASSIUM DICHROMATE)

Proper shipping name (IMDG) CORROSIVE SOLID, N.O.S. (POTASSIUM HYDROGENSULPHATE, POTASSIUM DICHROMATE)

Proper shipping name (ICAO) CORROSIVE SOLID, N.O.S. (POTASSIUM HYDROGENSULPHATE, POTASSIUM DICHROMATE)

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Proper shipping name (ADN) CORROSIVE SOLID, N.O.S. (POTASSIUM HYDROGENSULPHATE, POTASSIUM DICHROMATE)

14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID label	8
IMDG class	8
ICAO class/division	8

Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

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 Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 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 (as amended).
Guidance	Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

No data available.

SECTION 16: Other information

SULFIDE No. 2 TABLETS

General information	This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XIV - LIST OF SUBSTANCES SUBJECT TO AUTHORISATION.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Issued by	L. Morgan
Revision date	26/05/2021
Revision	20
Supersedes date	21/12/2020
SDS status	Approved.
Hazard statements in full	H272 May intensify fire; oxidiser. H301 Toxic if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H330 Fatal if inhaled. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. H340 May cause genetic defects. H350 May cause cancer. H360FD May damage fertility. May damage the unborn child. H360FD May damage fertility if swallowed. May damage the unborn child if swallowed. H372 Causes damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. EUH208 Contains POTASSIUM DICHROMATE. May produce an allergic reaction.

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.