Revision: 21.08.2025



Analysentechnik GmbH & Co. KG Wasser ist unser Element Wasser ist unser Element Analysentechnik GmbH & Co. KG Wasser ist unser Element

Printing date 21.08.2025

Version number 11 (replaces version 10)

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

- · 1.1 Product identifier
- · Trade name: Testoval Phosphatest® C
- · UFI: WPCT-VTMX-5C0G-AK0Q
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.
- · Application of the substance / the preparation:

Reagent for analysis

EuPCS: PC-TEC-19 Reagents and laboratory chemical

- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Gebrüder Hevl

Analysentechnik GmbH & Co. KG

Orleansstraße 75 b D-31135 Hildesheim

- · Further information obtainable from: product safety department
- · 1.4 Emergency telephone number:

Giftinformationszentrum Nord

Phone +49 (0) 551 19240

Phone +49 (0) 5121 2893390 Fax +49 (0) 5121 2893367 E-mail info@heylanalysis.de Internet www.heylanalysis.de

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Met. Corr.1 H290 May be corrosive to metals.

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms





GHS05 GHS07

- · Signal word Danger
- · Hazard-determining components of labelling:

sulphuric acid

hydrofluoric acid

· Hazard statements

H290 May be corrosive to metals.

H302+H312 Harmful if swallowed or in contact with skin. H314 Causes severe skin burns and eye damage.

(Contd. on page 2)



Analysentechnik GmbH & Co. KG Wasser ist unser Element Wasser ist unser Element Analysentechnik GmbH & Co. KG Wasser ist unser Element

Printing date 21.08.2025 Version number 11 (replaces version 10)

Trade name: Testoval Phosphatest® C

(Contd. of page 1)

Revision: 21.08.2025

· Precautionary statements

P260 Do not breathe mist/vapours/spray.

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.

P310 Immediately call a POISON CENTER/doctor.

• Labelling of packages where the contents do not exceed 125 ml

Hazard pictograms





GHS05 GHS07

· Signal word Danger

· Hazard-determining components of labelling:

sulphuric acid hydrofluoric acid

· Hazard statements

H314 Causes severe skin burns and eye damage.

· Precautionary statements

P260 Do not breathe mist/vapours/spray.

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.

P310 Immediately call a POISON CENTER/doctor.

- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- vPvB: Not applicable.
- · Determination of endocrine-disrupting properties Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description:

Mixture of substances listed below with nonhazardous additions according to Regulation (EC) No 1272/2008.

Water CAS 7732-18-5

(Contd. on page 3)



Analysentechnik GmbH & Co. KG Wasser ist unser Element Wasser ist unser Element Analysentechnik GmbH & Co. KG Wasser ist unser Element According to Regulation (EC) No 1907/2006

Printing date 21.08.2025 Version number 11 (replaces version 10)

Trade name: Testoval Phosphatest® C

(Contd. of page 2)

Revision: 21.08.2025

		(Oonta. or page 2
Dangerous components:		
CAS: 7664-93-9 EINECS: 231-639-5 Index number: 016-020-00-8 Reg.nr.: 01-2119458838-20	sulphuric acid Skin Corr. 1A, H314 Specific concentration limits: Skin Corr. 1A; H314: C ≥15 % Skin Irrit. 2; H315: 5 % ≤ C < 15 % Eye Irrit. 2; H319: 5 % ≤ C < 15 % substance with a Community workplace exposure limit	≥ 15 – ≤ 25%
CAS: 7664-39-3 EINECS: 231-634-8 Index number: 009-003-00-1 Reg.nr.: 01-2119458860-33	hydrofluoric acid Acute Tox. 2, H300; Acute Tox. 1, H310; Acute Tox. 2, H330 Skin Corr. 1A, H314 Specific concentration limits: Skin Corr. 1A; H314: C ≥7 % Skin Corr. 1B; H314: 1 % ≤ C < 7 % Eye Irrit. 2; H319: 0.1 % ≤ C < 1 % substance with a Community workplace exposure limit	≥ 0.1 – < 1%

- · **SVHC** Not applicable.
- Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- General information:

Personal protection for the First Aider.

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· After inhalation:

Supply fresh air.

Call a doctor immediately.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Clean with water and soap. If possible, also wash with polyethylene glycol 400.

Immediate medical treatment necessary. Failure to treat burns can prevent wounds from healing.

· After eve contact:

Protect unharmed eye.

Rinse opened eye for several minutes under running water.

Call a doctor immediately.

After swallowing:

A person vomiting while laying on their back should be turned onto their side.

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

(Contd. on page 4)



Analysentechnik GmbH & Co. KG Wasser ist unser Element Wasser ist unser Element Analysentechnik GmbH & Co. KG Wasser ist unser Element Safety data sheet according to Regulation (EC) No 1907/2006

Printing date 21.08.2025

Version number 11 (replaces version 10)

Trade name: Testoval Phosphatest® C

(Contd. of page 3)

Revision: 21.08.2025

· 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- · 5.3 Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

Clean the affected area carefully; suitable cleaners are:

Weak alkaline solution

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- · Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- Information about storage in one common storage facility: Store away from foodstuffs.
- · Further information about storage conditions:

Keep container tightly sealed.

Protect from heat and direct sunlight.

Store receptacle in a well ventilated area.

- · Recommended storage temperature: 15 25 °C
- · Storage class: Storage class 8B: Non-combustible corrosive substances (TRGS 510)
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 7664-93-9 sulphuric acid

AGW (Germany) Long-term value: 0.1 E mg/m3

1(I);DFG, EU, Y

CAS: 7664-39-3 hydrofluoric acid

AGW (Germany) Long-term value: 0.83 mg/m³, 1 ppm

2(I);DFG, EU, Y, H

Regulatory information AGW (Germany): TRGS 900

(Contd. on page 5)



Analysentechnik GmbH & Co. KG Wasser ist unser Element Wasser ist unser Element Analysentechnik GmbH & Co. KG Wasser ist unser Element

Printing date 21.08.2025

Version number 11 (replaces version 10)

Trade name: Testoval Phosphatest® C

(Contd. of page 4)

Revision: 21.08.2025

· Ingredients with biological limit values:

CAS: 7664-39-3 hydrofluoric acid

BGW (Germany) 4 mg/L

Untersuchungsmaterial: Urin

Probennahmezeitpunkt: Expositionsende bzw. Schichtende

Parameter: Fluorid

Regulatory information BGW (Germany): TRGS 903

· Additional information: The lists valid during the making were used as basis.

- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Respiratory protection:

Use suitable respiratory protective device when aerosol or mist is formed. Filter: Type E/P2 In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection



Protective gloves

Wear gloves according to EN 374.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Check protective gloves prior to each use for their proper condition.

Preventive skin protection by use of skin-protecting agents is recommended.

After use of gloves apply skin-cleaning agents and skin cosmetics.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact gloves made of the following materials are suitable:

Nitrile rubber. NBR

Recommended thickness of the material: ≥ 0.5 mm Value for the permeation: Level = 6 (> 480 min)

· As protection from splashes gloves made of the following materials are suitable:

Nitrile rubber, NBR

Recommended thickness of the material: \geq 0.12 mm Value for the permeation: Level = 2 (> 30 min)

Eye/face protection



Tightly sealed goggles according to EN 166



Analysentechnik GmbH & Co. KG Wasser ist unser Element Masser ist unser Element Analysentechnik GmbH & Co. KG Wasser ist unser Element

Printing date 21.08.2025 Version number 11 (replaces version 10) Revision: 21.08.2025

Trade name: Testoval Phosphatest® C

· Body protection: Protective work clothing

(Contd. of page 5)

SECTION 9: Physical and chemical properties

	· 9.1 Information on	basic ph	ysical and	chemical	properties
--	----------------------	----------	------------	----------	------------

· General Information

Physical state
Colour:
Odour:
Odourless
Odour threshold:
Melting point/freezing point:
Liquid
Colourless
Odourless
Not determined.
Undetermined.

· Boiling point or initial boiling point and

boiling range Undetermined.
• Flammability Not applicable.

· Lower and upper explosion limit

Lower: Not determined.
 Upper: Not determined.
 Flash point: Undetermined.
 Auto-ignition temperature: Not determined.
 Decomposition temperature: Not determined.
 pH

· Viscosity: · Kinematic:

Kinematic: Not determined.Dynamic: Not determined.

Solubility

· water: Fully miscible.

· Partition coefficient n-octanol/water (log

value)Not determined.Vapour pressure:Not determined.

· Density and/or relative density

Density at 20 °C:
 Relative density
 Vapour density
 Not determined.
 Not determined.

· 9.2 Other information

· Important information on protection of health

and environment, and on safety.

· Ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

· Solvent content:

· VOCV (CH) 0.0 %

· Change in condition

· Evaporation rate Not determined.

Information with regard to physical hazard

classes · Explosives Void · Flammable gases Void · Aerosols Void Void · Oxidising gases Void · Gases under pressure Flammable liquids Void Flammable solids Void · Self-reactive substances and mixtures Void · Pyrophoric liquids Void · Pyrophoric solids Void

(Contd. on page 7)



Analysentechnik GmbH & Co. KG Wasser ist unser Element Wasser ist unser Element Analysentechnik GmbH & Co. KG Wasser ist unser Element Safety data sheet according to Regulation (EC) No 1907/2006

Printing date 21.08.2025 Version number 11 (replaces version 10)

Trade name: Testoval Phosphatest® C

(Contd. of page 6)

Revision: 21.08.2025

· Self-heating substances and mixtures Void

· Substances and mixtures, which emit

flammable gases in contact with water Void
Oxidising liquids Void
Oxidising solids Void
Organic peroxides Void

Corrosive to metals May be corrosive to metals.

· Desensitised explosives Void

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions

Corrosive action on metals.

Reacts with metals forming hydrogen.

Attacks materials containing glass and silicate.

Heating occurs when water is added.

Reacts with alkali (lyes).

- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: Alkaline substances.
- 10.6 Hazardous decomposition products:

Hydrogen fluoride

Sulphuric acid

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity Harmful if swallowed or in contact with skin.
- · LD/LC50 values relevant for classification:

CAS: 7664-93-9 sulphuric acid

Oral LD50 2,140 mg/kg (rat)

- Primary irritant effect:
- · Skin corrosion/irritation Causes severe skin burns and eye damage.
- · Serious eye damage/irritation Causes serious eye damage.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.
- · 11.2 Information on other hazards
- Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.

(Contd. on page 8)



Analysentechnik GmbH & Co. KG Wasser ist unser Element Wasser ist unser Element Analysentechnik GmbH & Co. KG Wasser ist unser Element Safety data sheet according to Regulation (EC) No 1907/2006

Printing date 21.08.2025

Version number 11 (replaces version 10)

Trade name: Testoval Phosphatest® C

(Contd. of page 7)

Revision: 21.08.2025

- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · vPvB: Not applicable.
- 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

- · Uncleaned packaging:
- · Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product. Disposal must be made according to official regulations.

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

14.1 UN number or ID number ADR, IMDG, IATA	UN3264
14.2 UN proper shipping name	
ADR	3264 CORROSIVE LIQUID, ACIDIC, INORGANI N.O.S. (SULPHURIC ACID, HYDROFLUORI ACID)
IMDG, IATA	CORROSIVE LIQUID, ACIDIC, INORGANIO N.O.S. (SULPHURIC ACID, HYDROFLUORI ACID)
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	8 Corrosive substances.
Label	8
14.4 Packing group	
ADR, IMDG, IATA	I

Revision: 21.08.2025



Safety data sheet Wasser ist unser Element according to Regulation (EC) No 1907/2006

Printing date 21.08.2025

Version number 11 (replaces version 10)

Trade name: Testoval Phosphatest® C

(Contd. of page 8) · 14.5 Environmental hazards: · Marine pollutant: No · 14.6 Special precautions for user Warning: Corrosive substances. · Hazard identification number (Kemler code): 88 · EMS Number: F-A,S-B Segregation groups (SGG1) Acids Stowage Category Stowage Code SW2 Clear of living quarters. SG36 Stow "separated from" SGG18-alkalis. Segregation Code SG49 Stow "separated from" SGG6-cyanides · 14.7 Maritime transport in bulk according to IMO instruments Not applicable. · Transport/Additional information: Void · ADR · Limited quantities (LQ) Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity · Transport category · Tunnel restriction code Ε · IMDG · Limited quantities (LQ) 0 Excepted quantities (EQ) Code: E0 Not permitted as Excepted Quantity UN "Model Regulation": UN 3264 CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (SULPHURIC ACID,

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

HYDROFLUORIC ACID), 8, I

- Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- Regulation (EU) No 649/2012 concerning the export and import of hazardous chemicals None of the ingredients is listed.
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II

None of the ingredients is listed.

- **REGULATION (EU) 2019/1148**
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

CAS: 7664-93-9 sulphuric acid *Limit value:* $> 15 - \le 40 \%$ $\ge 15 - \le 25\%$

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

(Contd. on page 10)



Analysentechnik GmbH & Co. KG Wasser ist unser Element Wasser ist unser Element Analysentechnik GmbH & Co. KG Wasser ist unser Element According to Regulation (EC) No 1907/2006

Printing date 21.08.2025

Version number 11 (replaces version 10)

Trade name: Testoval Phosphatest® C

(Contd. of page 9)

Revision: 21.08.2025

· Regulation (EC	e) No 273/2004 on drug precursors

CAS: 7664-93-9 sulphuric acid

3

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

CAS: 7664-93-9 sulphuric acid

3

· REGULATION (EU) 2024/590 on substances that deplete the ozone layer

None of the ingredients is listed.

· National regulations:

· Information about limitation of use:

Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed.

- · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · Other regulations, limitations and prohibitive regulations
- · Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

H300 Fatal if swallowed.

H310 Fatal in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

- · Department issuing SDS: product safety department
- · Date of previous version: 06.01.2022
- · Version number of previous version: 10
- · Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOCV: Lenkungsabgabe auf flüchtigen organischen Verbindungen, Schweiz (Swiss Ordinance on volatile organic compounds)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Met. Corr.1: Corrosive to metals - Category 1

Acute Tox. 2: Acute toxicity – Category 2 Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 1: Acute toxicity – Category 1

Skin Corr. 1A: Skin corrosion/irritation - Category 1A

(Contd. on page 11)



Analysentechnik GmbH & Co. KG Wasser ist unser Element according to Regulation (EC) No 1907/2006

Printing date 21.08.2025

Version number 11 (replaces version 10)

Trade name: Testoval Phosphatest® C

(Contd. of page 10)

Revision: 21.08.2025

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

* Data compared to the previous version altered.

DE_EN