

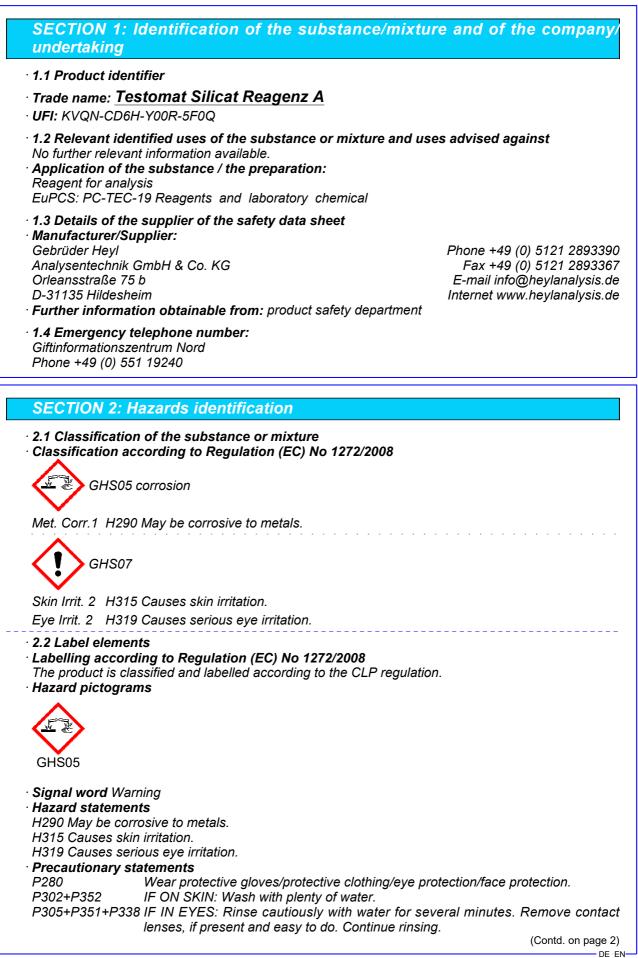
ement according to 1907/2006/EC

Printing date 11.01.2022

Version number 8 (replaces version 7)

Safety data sheet

Revision: 11.01.2022





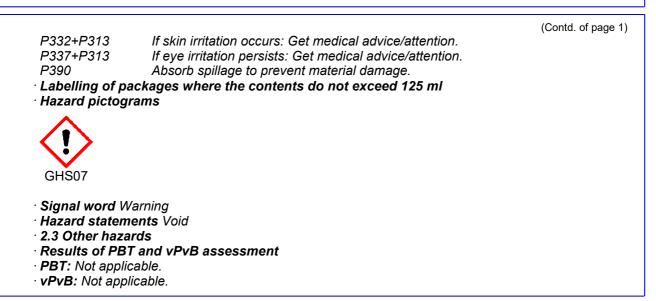
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Trade name: Testomat Silicat Reagenz A



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

 Dangerous components:
 CAS: 7664-93-9 sulphuric acid $\geq 5 - < 10\%$

 EINECS: 231-639-5
 $rac{1}{2}$ $rac{1}{2}$ $rac{1}{2}$ $rac{1}{2}$

 Index number: 016-020-00-8
 Skin Corr. 1A, H314
 Specific concentration limits: $Skin Corr. 1A; H314: C \geq 15 \%$ $Skin Irrit. 2; H315: 5 \% \leq C < 15 \%$

 Eye Irrit. 2; H319: 5 \% $\leq C < 15 \%$ Symmetry = 5% Symmetry = 5% Symmetry = 5%

· 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: Immediately remove any clothing soiled by the product.

- · 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. Seek medical treatment.

· After eye contact:

Rinse opened eye for several minutes under running water. Protect unharmed eye.

Seek immediate medical advice.

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.

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- **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. • 5.2 Special hazards arising from the substance or mixture
- Formation of toxic gases is possible during heating or in case of fire.
- · 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 w
- **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 liquid components with liquid-binding material. 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.
 When diluting always pour product into water and not vice versa.
 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.

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Value for the permeation: Level = 6 (> 480 min) Eye/face protection	Nitrile rubber	, NBR
Eye/face protection		
Tightly sealed goggles according to EN 166		
		htly sealed goggles according to EN 166



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· Body protection: Protective work clothing

9.1 Information on basic physical and cher	mical properties
General Information	
Physical state	Fluid
Colour:	Colourless
Odour:	Odourless Net determined
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and	l la determine d
boiling range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	Not determined.
Lower:	Not determined.
Upper:	
Flash point:	Undetermined. Braduct is not colfigniting
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
pH at 20 °C Viscositu:	ca. 1
Viscosity:	Not determined
Kinematic viscosity Dynamic:	Not determined. Not determined.
•	Not determined.
Solubility	Fully missible
water:	Fully miscible.
Partition coefficient n-octanol/water (log	Not determined.
value) Vanour procouro	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	$1.06 a/cm^3$
Density at 20 °C: Polotivo donoity	1.06 g/cm³ Not determined.
Relative density Vapour density	Not determined.
• •	Not determined.
9.2 Other information	
Important information on protection of hea	alth
and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate	Not determined.
Information with regard to physical haza	ard
classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit	
flammable gases in contact with water	Void

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· 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

Reacts with alkaline metals.

Corrosive action on metals.

Heating occurs when water is added.

Reacts with alkali (lyes).

Reacts with metals forming hydrogen.

· 10.4 Conditions to avoid No further relevant information available.

· 10.5 Incompatible materials: Alkaline substances.

· 10.6 Hazardous decomposition products: Sulphuric acid

SECTION 11: Toxicological information

· 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

• Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

CAS: 7664-93-9 sulphuric acid

Oral LD50 2,140 mg/kg (rat)

· Skin corrosion/irritation Causes skin irritation.

· Serious eye damage/irritation Causes serious eye irritation.

· 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.

- 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.

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• 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.

<i>14.1 UN number or ID number ADR, IMDG, IATA</i>	UN2796
14.2 UN proper shipping name ADR IMDG, IATA	2796 SULPHURIC ACID SULPHURIC ACID
14.3 Transport hazard class(es)	
at the	
Class Label	8 Corrosive substances. 8
14.4 Packing group ADR, IMDG, IATA	11
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Hazard identification number (Kemler code): EMS Number: Segregation groups Stowage Category Segregation Code	Warning: Corrosive substances. 80 F-A,S-B Strong acids B SG36 Stow "separated from" SGG18-alkalis. SG49 Stow "separated from" SGG6-cyanides



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g to Not applicable.
Void
1L
Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 m
2
E
1L
Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 m
UN 2796 SULPHURIC ACID, 8, II

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· 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))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

CAS: 7664-93-9 sulphuric acid

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors 3

CAS: 7664-93-9 sulphuric acid

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.

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

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SECTION 16: Other informati	on
	sent knowledge. However, this shall not constitute a guarante shall not establish a legally valid contractual relationship.
Relevant phrases H314 Causes severe skin burns and	eye damage.
Department issuing SDS: product s Date of previous version: 24.10.202	
Version number of previous version	
Abbreviations and acronyms:	
RID: Règlement international concernant le Concerning the International Transport of Dan	
ICAO: International Civil Aviation Organisation ADR: Accord relatif au transport international the International Carriage of Dangerous Good.	des marchandises dangereuses par route (European Agreement Concerni
IMDG: International Maritime Code for Danger	ous Goods
IATA: International Air Transport Association GHS: Globally Harmonised System of Classifi	cation and Labelling of Chemicals
EINECS: European Inventory of Existing Com	
ELINCS: European List of Notified Chemical S	
CAS: Chemical Abstracts Service (division of	he American Chemical Society)
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 Bioaccumulation	
Met. Corr.1: Corrosive to metals – Category 1	•
Skin Corr. 1A: Skin corrosion/irritation – Categ	ory 1A
Skin Irrit. 2: Skin corrosion/irritation - Categor	
Eye Irrit. 2: Serious eye damage/eye irritation	• •
* Data compared to the previous ve	ersion altered.