

## 1. Identification of the substance and of the company

### 1.1 Product identifiers

Product name PSS EasyValid aqueous – column (EasyValid-Ax)

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

Identified uses Analytical chemistry. Chromatography column  
SDS refers to contents of the column  
EASYVALIDA-02 - EasyValid column for aqueous applications, GPC/SEC column, column replacement only, full product requires reference materials and user documentation, suitable for validations in aqueous solutions

### 1.3 Details of the supplier of the safety data sheet

Company PSS Polymer Standards Service GmbH  
In der Dalheimer Wiese 5  
D - 55120 Mainz

Technical phone +49 6131 - 96239 - 0  
Fax +49 6131 - 96239 -11  
Email sds@pss-polymer.com

### 1.4 Emergency telephone number

24-hour emergency contact number: +1 872 5888271 (PSS)

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute Toxicity, Oral (category 4)  
Acute Toxicity Dermal (category 5)  
Aquatic Acute : (category 3)  
Aquatic Chronic : (category 3)  
Eye irritation (Category 2)

Note: The product is intended for use as in chromatographic column. Use only as directed and in accordance with good laboratory practices. In case of release, there is only a small toxicity hazard, owing to the very low levels of sodium azide present.

### 2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word	Warning	
Hazard statement(s)		
Hazard Statments:	H302 H313  H319 H412	Harmful if swallowed. May be harmful in contact with skin. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	P273 P305 + P351 + P338	Avoid release to the environment. IF IN EYES: Rinse cautiously with water for several minutes.

# Safety Data Sheet



Product name: PSS EasyValid aqueous - column  
Date Updated: 2023-01-20  
Version: 1.4

Page 2 of 6

Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements EUH032  
Caution - substance not yet tested completely.

Contact with acids liberates very toxic gas.

## 2.3 Other hazards

none

## 3. Composition/ information on ingredients

### 3.1 Substances

Synonyms: EasyValid-Ax e.g. EasyValid-A02  
Component: Silicon dioxide, amorphous

Component Number	1	2	3
Component Name	Silicon dioxide, amorphous	Water	Sodium azide
CAS No	N/A	7732-18-5	26628-22-8
EC Number	N/A	231-791-2	247-852-1
Index Number	N/A		011-004-00-7
EC 1272/2008 hazard class, code and statement	N/A	N/A	Acute Tox. 2 Acute Tox. 1 Aquatic.Acute 1 Aquatic Chronic 1 H300 + H310, H410, EUH032
%wt (approx)	30-35	65-70	<0,0005%
OSHA	N/A	N/A	N/A
ACGIH	N/A	N/A	N/A
SARA 313 REPORTABLE	No	No	This material does not contain components that exceed the threshold reporting levels established by SARA Title III, section 31

## 4. First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

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

no data available

---

## 5. Fire fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides, Sulphur oxides, Sodium oxides

### 5.3 Advice for fire fighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

no data available

---

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, Closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

---

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothing. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

no data available

---

## 8. Exposure controls / personal protection

### 8.1 Control parameters

Components with workplace control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Keep away from foodstuffs, beverages and feed. Immediately remove contaminated clothing.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection, use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Component Number	1	2	3
Component Name	Silicon dioxide, amorphous	Water	Sodium azide
Appearance:	Solid / Fluid	Liquid	Solid
Odour	no data available	no data available	no data available
Odour Threshold	no data available	no data available	no data available
pH	no data available	no data available	no data available
BP/BP Range	no data available	100°C	no data available
Mp/Mp Range	no data available	0°C	275°C
Flash Point	no data available	no data available	no data available
Flammability	no data available	no data available	no data available
Autoignition Temp.	500 °C	no data available	no data available
Oxidizing Properties	no data available	no data available	no data available
Explosive Properties	no data available	no data available	no data available
Explosion Limits	no data available	no data available	no data available
Vapor Pressure	no data available	23 hPa @ 20°C	no data available
SG/Density	no data available	1.0 g/cm <sup>3</sup>	no data available
Partition Coefficient	no data available	no data available	no data available
Viscosity	no data available	no data available	no data available
Evaporation Rate	no data available	no data available	no data available
Solubility in Water:	Insoluble	Fully soluble	Fully soluble
Molecular Weight	no data available	72.11 g/mol	65,01 g/mol
Viscosity @ °C	no data available	no data available	no data available

### 9.2 Other safety information

no data available

## 10. Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

no data available

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

no data available

### 10.5 Incompatible materials

Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - no data available

## 11. Toxicological information

### 11.1 Information on toxicological effects

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### Acute toxicity

no data available

#### Skin corrosion/irritation

no data available

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitisation

no data available

#### Germ cell mutagenicity

no data available

#### Carcinogenicity

IARC: no data available

#### Reproductive toxicity

no data available

#### Specific target organ toxicity - single exposure

no data available

#### Specific target organ toxicity - repeated exposure

no data available

#### Aspiration hazard

no data available

#### Potential health effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

#### Additional Information

---

## 12. Ecological information

### 12.1 Toxicity

no data available

### 12.2 Persistence and degradability

no data available

### 12.3 Bioaccumulative potential

no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no data available

---

