

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form : Article  
 Product name : Seppelfricke SPS<sup>®</sup> valves  
 Model number: 4621, 4626, 4621.10, 4626.10, 4726, 2721.01, 2721.05

#### 1.2. Other means of identification

Other means of identification : SCIP Number: 797622a0-2bc2-4feb-b677-a9b24f611e83

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Professional use  
 Recommended use : Product for water installations

#### 1.4. Supplier's details

Aalberts integrated piping systems BV B.V.  
 Oude Amersfoortseweg 99  
 NL- 1212AA Hilversum  
 The Netherlands  
 T +31 35 688 4211

#### 1.5. Emergency phone number

Country	Organisation/Company	Address	Emergency number	Comment
Netherlands	Nationaal Vergiftigingen Informatie Centrum	Huispostnummer B.00.118 Postbus 85500 3508 GA Utrecht	+31 88 755 80 00	Only for the purpose of informing medical personnel in cases of acute intoxications

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

##### Classification according to the United Nations GHS

Skin sensitisation, Category 1 H317  
 Carcinogenicity, Category 2 H351  
 Reproductive toxicity, Category 1A H360  
 Reproductive toxicity, Additional category, Effects on or via lactation H362  
 Specific target organ toxicity — Repeated exposure, Category 1 H372  
 Hazardous to the aquatic environment — Acute Hazard, Category 1 H400

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects : Steel products are not considered as hazardous. However, individual customer processes such as welding, sawing, brazing, grinding, abrasive blasting, and machining may result in the formation of fumes, dust (combustible or otherwise), and/or particulate that may present the described hazards.

#### 2.2. GHS Label elements, including precautionary statements

No labelling obligation.

#### 2.3. Other hazards which do not result in classification

No additional information available

# Seppelfricke SPS® valves

## Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Comments : CW626N

Name	Product identifier	%	Classification according to the United Nations GHS
Copper	CAS-No.: 7440-50-8	50 – 70	Aquatic Acute 1, H400 (M=10)
Lead	CAS-No.: 7439-92-1	1 – 2	Carc. 2, H351 Repr. 1A, H360 Lact., H362 STOT RE 1, H372 Aquatic Acute 1, H400
Nickel	CAS-No.: 7440-02-0	< 0,25	Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 3, H412

Full text of H-statements: see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Not specifically applicable to the product (as is).  
First-aid measures after skin contact : Not applicable.  
First-aid measures after eye contact : Not applicable.  
First-aid measures after ingestion : Ingestion is not considered a potential route of exposure. Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms/effects, acute and delayed

No additional information available

#### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

#### 5.2. Specific hazards arising from the chemical

Fire hazard : Not expected to be a fire/explosion hazard under normal conditions of use.  
Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

# Seppelfricke SPS® valves

## Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Emergency procedures : Do not breathe dust/fume/gas/mist/vapours/spray. Only qualified personnel equipped with suitable protective equipment may intervene.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorized site.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Ensure good ventilation of the work station. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact during pregnancy/while nursing. Wear personal protective equipment.  
Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : None under normal use  
Eye protection : Safety glasses  
Skin and body protection : No special clothing/skin protection equipment is recommended under normal conditions of use  
Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation

Personal protective equipment symbol(s)



#### 8.4. Exposure limit values for the other components

No additional information available

# Seppelfricke SPS® valves

## Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

### SECTION 9: Physical and chemical properties

#### 9.1. Basic physical and chemical properties

Physical state	: Solid
Appearance	: metal
Colour	: Not available
Odour	: Not available
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not available
Boiling point	: Not available
Flammability (solid, gas)	: Not available
Explosive limits	: Not applicable
Lower explosive limit (LEL)	: Not applicable
Upper explosive limit (UEL)	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
pH	: Not available
pH solution	: Not available
Viscosity, kinematic (calculated value) (40 °C)	: Not applicable
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: Not available
Relative vapour density at 20 °C	: Not applicable
Solubility	: Not available
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle specific surface area	: Not available

#### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Seppelfricke SPS® valves

## Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

Copper (7440-50-8)	
LC50 Inhalation - Rat	> 5,11 mg/l/4h

Nickel (7440-02-0)	
LD50 oral rat	> 9000 mg/kg bodyweight
LC50 Inhalation - Rat	≥ 10,2 mg/l

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Suspected of causing cancer.  
Reproductive toxicity : May damage fertility or the unborn child. May cause harm to breast-fed children.  
STOT-single exposure : Not classified  
STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

Lead (7439-92-1)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Nickel (7440-02-0)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.  
Classification procedure (Hazardous to the aquatic environment, short-term (acute)) : Calculation method  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

Copper (7440-50-8)	
LC50 - Fish [1]	0,0068 – 0,0156 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
LC50 - Fish [2]	< 0,3 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	0,03 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 72h - Algae [1]	0,0426 – 0,0535 mg/l (Species: Pseudokirchneriella subcapitata [static])
EC50 96h - Algae [1]	0,031 – 0,054 mg/l (Species: Pseudokirchneriella subcapitata [static])

Lead (7439-92-1)	
LC50 - Fish [1]	0,44 mg/l (Exposure time: 96 h - Species: Cyprinus carpio [semi-static])
LC50 - Fish [2]	1,17 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [1]	600 µg/l (Exposure time: 48 h - Species: water flea)

Nickel (7440-02-0)	
LC50 - Fish [1]	15,3 mg/l (Oncorhynchus mykiss)

# Seppelfricke SPS® valves

## Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

Nickel (7440-02-0)	
EC50 - Crustacea [1]	87,5 µg/l (Ceriodaphnia dubia)
NOEC chronic fish	0,124 mg/l

### 12.2. Persistence and degradability

SF SPS valves	
Persistence and degradability	No additional information available

### 12.3. Bioaccumulative potential

SF SPS valves	
Bioaccumulative potential	No additional information available

### 12.4. Mobility in soil

SF SPS valves	
Mobility in soil	No additional information available

### 12.5. Other adverse effects

Ozone : Not classified  
Other adverse effects : No additional information available




## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with UN RTDG / IMDG / IATA

UN RTDG	IMDG	IATA
<b>14.1. UN number</b>		
Not regulated for transport		
<b>14.2. UN Proper Shipping Name</b>		
Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
		
<b>14.4. Packing group</b>		
Not applicable	Not applicable	Not applicable

# Seppelfricke SPS® valves

## Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

UN RTDG	IMDG	IATA
<b>14.5. Environmental hazards</b>		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		

### 14.6. Special precautions for user

#### UN RTDG

No data available

#### IMDG

No data available

#### IATA

No data available

### 14.7. Transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

## SECTION 16: Other information

Issue date : 04/11/2021  
Revision date : 22/11/2021  
Supersedes : 04/11/2021

Section	Changed item	Change	Comments
	Supersedes	Added	
	Revision date	Added	
	UN-No.(UN RTDG)	Removed	
	UN-No. (IMDG)	Removed	
	UN-No. (IATA)	Removed	

#### Abbreviations and acronyms

: ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ATE - Acute Toxicity Estimate  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LD50 - Median lethal dose  
PBT - Persistent Bioaccumulative Toxic  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
SDS - Safety Data Sheet  
vPvB - Very Persistent and Very Bioaccumulative

# Seppelfricke SPS® valves

## Safety Data Sheet

according to the United Nations GHS (Rev. 7, 2017)

### Other information

: REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). **DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H-statements:	
H228	Flammable solid
H261	In contact with water releases flammable gases
H303	May be harmful if swallowed
H317	May cause an allergic skin reaction
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H362	May cause harm to breast-fed children
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet applicable for regions

: NL - Netherlands

This Safety Data Sheet is compiled by: ChemPros B.V. | +31(0)797676006 | info@chemprosbv.nl