

### SECTION 1: Identification

#### 1.1. GHS Product identifier

Product form	:	Article					
Product name	:	VSH XPress Copper (gun metal)					
38593	38956	38170	38811	38356	39812	39736	39386
38594	38160	38173	38812	38357	39815	39738	39388
38596	38157	38174	38814	38344	39816	39739	38742
38597	38158	38175	38815	38370	39817	39741	38733
38190	38159	38171	38816	38339	39818	39740	38655
38192	38161	38172	38817	38333	39800	39742	38642
38189	38166	38176	38818	38340	39806	39720	38630
38188	38162	38177	38819	38372	39807	39721	38629
38206	38167	38180	38820	38334	39801	39716	38628
38105	38163	38179	38235	38335	39802	39717	38627
38106	38164	38181	38237	38336	39803	39722	38622
38107	38165	38182	38238	38337	39804	39723	38621
38114	38082	38183	38239	38338	39805	39724	38620
38115	38081	38184	38242	38790	39890	39725	38619
38108	38083	38185	38243	38791	39891	39726	38375
38109	38090	38828	38397	38792	39892	39727	38980
38110	38091	38833	38400	38793	39893	39770	38245
38116	38084	38829	38398	38794	39894	39771	38246
38117	38085	38830	38401	38795	39895	39772	
38111	38086	38831	38399	38796	39896	39773	
38118	38092	38834	4807506	38584	38897	39774	
38127	38087	38832	4807517	38585	39898	39775	
38112	38088	38835	38346	38586	39899	39910	
38119	38093	38836	38345	38591	39730	39912	
38113	38103	38837	38347	38587	39731	39820	
38120	38089	38838	38351	38592	39728	39819	
38121	38094	38827	38348	39810	39729	39821	
38122	38101	38807	38349	39811	39732	38191	
38126	38095	38808	38350	39808	39733	38244	
38123	38096	38813	38353	39809	39734	39311	
38125	38080	38809	38354	39813	39737	39313	
38124	38954	38810	38355	39814	39735	39315	

#### 1.2. Other means of identification

Other means of identification : SCIP Number: 966cd6bc-74ae-47a8-951b-016935a13ff8

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

Use of the substance/mixture : Professional use  
 Recommended use : Product for connecting steel pipes

#### 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

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### 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
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411

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

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Comments : CC499K

Name	Product identifier	%	Classification according to the United Nations GHS
Copper	CAS-No.: 7440-50-8	70 – 90	Aquatic Acute 1, H400 (M=10)
Zinc	CAS-No.: 7440-66-6	3 – 10	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Lead	CAS-No.: 7439-92-1	< 3	Carc. 2, H351 Repr. 1A, H360 Lact., H362 STOT RE 1, H372 Aquatic Acute 1, H400
Nickel	CAS-No.: 7440-02-0	< 1	Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 3, H412

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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.
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#### 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.
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### 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.
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##### 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".
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#### 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.

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### 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

### SECTION 9: Physical and chemical properties

#### 9.1. Basic physical and chemical properties

- Physical state : Solid
- 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

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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.

## 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

Nickel (7440-02-0)	
LD50 oral rat	> 9000 mg/kg bodyweight
LC50 Inhalation - Rat	≥ 10,2 mg/l
Copper (7440-50-8)	
LC50 Inhalation - Rat	> 5,11 mg/l/4h
Zinc (7440-66-6)	
LD50 oral rat	> 2000 mg/kg bodyweight

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<b>Zinc (7440-66-6)</b>	
LC50 Inhalation - Rat	> 5410 mg/m <sup>3</sup>
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.
<b>Nickel (7440-02-0)</b>	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
<b>Lead (7439-92-1)</b>	
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)	: Toxic to aquatic life with long lasting effects.
Classification procedure (Hazardous to the aquatic environment, long-term (chronic))	: Calculation method

<b>Nickel (7440-02-0)</b>	
LC50 - Fish [1]	15,3 mg/l (Oncorhynchus mykiss)
EC50 - Crustacea [1]	87,5 µg/l (Ceriodaphnia dubia)
NOEC chronic fish	0,124 mg/l
<b>Copper (7440-50-8)</b>	
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])
<b>Lead (7439-92-1)</b>	
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)
<b>Zinc (7440-66-6)</b>	
LC50 - Fish [1]	315 µg/l

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### 12.2. Persistence and degradability

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Persistence and degradability	No additional information available
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### 12.3. Bioaccumulative potential

#### VSH XPress Copper (gun metal)

Bioaccumulative potential	No additional information available
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### 12.4. Mobility in soil

#### VSH XPress Copper (gun metal)

Mobility in soil	No additional information available
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### 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
<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		

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### 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 : 22/06/2021  
Revision date : 22/11/2021  
Supersedes : 22/06/2021

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

Other information

: REACH Disclaimer:

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### Full text of H-statements:

H228	Flammable solid
H261	In contact with water releases flammable gases
H301	Toxic if swallowed
H302	Harmful if swallowed
H303	May be harmful if swallowed



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Full text of H-statements:	
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H330	Fatal if inhaled
H331	Toxic if inhaled
H341	Suspected of causing genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child
H361	Suspected of damaging 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
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet applicable for regions : NL - Netherlands

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