

SECTION 1: Identification

1.1. GHS Product identifier

Product form	: Article					
Product name	: VSH Soldeer					
0400224	0402534	0404657	0421322	0432542	0415712	0406991
0400334	0402655	0415351	0421421	0432641	0415811	0406373
0400554	0402765	0606342	0621060	0492338	0415910	0406571
0400664	0402864	0606430	0430023	0424314	0415624	0406670
0400774	0402875	0606540	0430034	0424325	0415723	0406771
0400884	0400026	0606551	0430056	0424336	0415822	0406879
0400994	0400037	0606661	0430067	0424347	0415921	0601216
0400323	0400059	0606727	0430078	0424358	0624021	0601361
0400532	0400061	0606760	0430232	0424369	0406111	0403656
0400653	0400070	0606793	0430320	0424413	0406219	0415316
0400752	0400081	0420024	0430529	0424435	0406221	0415327
0400763	0402457	0420035	0430531	0424446	0406241	0422774
0400873	0403337	0420057	0430639	0424457	0406307	0432520
0400983	0403425	0420068	0430650	0424831	0406549	0432553
0401324	0403458	0420079	0430751	0424732	0406648	0413325
0401533	0403535	0420081	0430760	0424149	0406747	0624019
0401654	0606045	0420090	0430861	0422510	0406846	0344597
0401764	0606078	0420321	0431233	0623216	0406945	0344553
0401874	0606100	0420530	0431321	0623315	0406296	
0401984	0606133	0420651	0431354	0623513	0406395	
0402204	0606166	0422323	0431530	0624514	0406593	
0402215	0606199	0422664	0431651	0623810	0406692	
0402303	0606221	0622435	0432223	0415305	0406791	
0402325	0404426	0622556	0432344	0415613	0406890	

1.2. Other means of identification

Other means of identification : SCIP Number: 9096d92f-2905-489e-9245-022c48ad808b

1.3. Recommended use of the chemical and restrictions on use

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

1.4. Supplier's details

Aalberts integrated piping systems BV
Oude Amersfoortseweg 99
1212AA Hilversum - The Netherlands
T +31 35 688 4211
quality@aalberts-ips.com - www.aalberts-ips.eu

1.5. Emergency phone number

Country	Official advisory body	Address	Emergency number	Remark
Netherlands	Nationaal Vergiftigingen Informatie Centrum	Huispostnummer B.00.118 Postbus 85500 3508 GA Utrecht	+31 (0)88 755 8000	Only for the purpose of informing medical personnel in cases of acute intoxications

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Country	Official advisory body	Address	Emergency number	Remark
	Universitair Medisch Centrum Utrecht, Het Nationaal Vergiftigingen Informatie Centrum (NVIC) informeert (dieren-)artsen, apothekers en andere professionele hulpverleners over de mogelijke gezondheidseffecten en behandelingsmogelijkheden bij vergiftigingen. Het NVIC is hiervoor dag en nacht bereikbaar, zowel telefonisch als via internet			

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 1A	H350
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 1	H410

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	: CW617N or CW602N or CW603N		
Name	Product identifier	%	Classification according to the United Nations GHS
Copper	CAS-No.: 7440-50-8	50 – 70	Aquatic Acute 1, H400 (M=10)
Zinc	CAS-No.: 7440-66-6	< 50	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Lead	CAS-No.: 7439-92-1	1 – 5	Carc. 2, H351 Repr. 1A, H360 Lact., H362 STOT RE 1, H372
Nickel	CAS-No.: 7440-02-0	< 1	Aquatic Acute 1, H400 Skin Sens. 1, H317

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Name	Product identifier	%	Classification according to the United Nations GHS
Arsenic	CAS-No.: 7440-38-2	0,01 – 0,25	Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 3, H412 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation), H331 Carc. 1A, H350 Repr. 1A, H360 STOT RE 1, H372 Aquatic Acute 3, H402 Aquatic Chronic 1, H410

Full text of H-phrases: 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.

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6.3. Methods and materials for containment and cleaning up

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|-------------------------|---|
| 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

Lead (7439-92-1)

EU - Binding Occupational Exposure Limit (BOEL)

- | | |
|----------------------|----------------------------------|
| Local name | Inorganic lead and its compounds |
| BOEL TWA | 0,15 mg/m ³ |
| Regulatory reference | COUNCIL DIRECTIVE 98/24/EC |

EU - Biological Limit Value (BLV)

- | | |
|----------------------|--|
| Local name | Lead and its inorganic compounds |
| BLV | 30 µg/100ml Parameter: Pb |
| Regulatory reference | SCOEL List of recommended health-based BLVs and BGVs |

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

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|----------------|---------|
| Physical state | : Solid |
|----------------|---------|

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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.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

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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
Zinc (7440-66-6)	
LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 5410 mg/m ³
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	: May cause 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.
Arsenic (7440-38-2)	
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)	: Very toxic to aquatic life with long lasting effects.
Classification procedure (Hazardous to the aquatic environment, long-term (chronic))	: Calculation method
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)
EC50 - Crustacea [1]	87,5 µg/l (Ceriodaphnia dubia)
NOEC chronic fish	0,124 mg/l
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])
Arsenic (7440-38-2)	
LC50 - Fish [1]	12,6 mg/l (Pimephales promelas)
Zinc (7440-66-6)	
LC50 - Fish [1]	315 µg/l

12.2. Persistence and degradability

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

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Bioaccumulative potential

No additional information available.

12.4. Mobility in soil

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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

14.1. UN number

3077

3077

3077

14.2. UN Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (CONTAINS :
Copper ; Zinc)

ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, SOLID, N.O.S. (CONTAINS :
Copper ; Zinc)

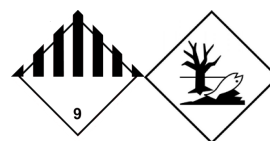
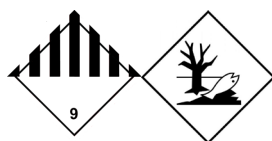
Environmentally hazardous substance, solid,
n.o.s. (CONTAINS : Copper ; Zinc)

14.3. Transport hazard class(es)

9

9

9



14.4. Packing group

III

III

III

14.5. Environmental hazards

Dangerous for the environment : Yes

Dangerous for the environment : Yes

Dangerous for the environment : Yes

Marine pollutant : Yes

No supplementary information available.

14.6. Special precautions for user

UN RTDG

Special provisions (UN RTDG)

: 274, 331, 335, 375

Limited quantities (UN RTDG)

: 5 kg

Excepted quantities (UN RTDG)

: E1

Packing instruction (UN RTDG)

: P002, IBC08, LP02

Special packing provisions (UN RTDG)

: PP12, B3

Portable tank and bulk container special
instructions (UN RTDG)

: T1, BK2, BK3

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Portable tank and bulk container special provisions : TP33
(UN RTDG)

IMDG

Special provisions (IMDG) : 274, 335, 966, 967, 969
Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP02, P002
Special packing provisions (IMDG) : PP12
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3
Tank instructions (IMDG) : BK1, BK2, BK3, T1
Tank special provisions (IMDG) : TP33
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG) : A

IATA

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y956
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg
Special provisions (IATA) : A97, A158, A179, A197, A215
ERG code (IATA) : 9L

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

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
H301	Toxic if swallowed
H317	May cause an allergic skin reaction
H331	Toxic if inhaled

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Full text of H-statements:

H350	May cause cancer
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
H402	Harmful to aquatic life
H410	Very 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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