

# CFS-S SIL EHD

## Safety information for 2-Component-products

Issue date: 17/02/2022

Revision date: 20/09/2021

Supersedes: 02/12/2019

Version: 3.3

### SECTION 1: Kit identification

#### 1.1 Product identifier

Product name CFS-S SIL EHD  
Product code BU Fire Protection  
Chemical name

#### 1.2 Details of the supplier of the Safety information for 2-Component-products

喜利得（中国）商贸有限公司  
耀元路58号环球都会广场2号楼8层  
浦东新区  
200126 上海  
T +86 21 6016 7316

### SECTION 2: General information

A SDS for each of these components is included. Please do not separate any component SDS from this cover page

This Kit should be handled in accordance with good laboratory practices and appropriate personal protective equipment should be used

### SECTION 3: Kit contents

#### Classification of the Product

##### GHS hazard classification

Health hazards	Acute toxicity (Oral), Category 4 Acute toxicity (Inhalation:dust,mist), Category 4 Reproductive toxicity, Category 1A Specific target organ toxicity - Repeated exposure, Category 2
Environmental hazards	Hazardous to the aquatic environment - Acute hazard, Category 1 Hazardous to the aquatic environment - Chronic hazard, Category 1
Other hazards not mentioned above are	Not applicable or No data is available.

#### Label elements

##### GHS CN labelling

Hazard pictograms (GHS CN)



GHS07



GHS08



GHS09

# CFS-S SIL EHD

## Safety information for 2-Component-products

Signal word (GHS CN)	Danger
Hazard statements (GHS CN)	H302+H332 - Harmful if swallowed or if inhaled H360 - May damage fertility or the unborn child. H373 - May cause damage to organs through prolonged or repeated exposure. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary statements (GHS CN)	P260 - Do not breathe dust, mist. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear eye protection, protective clothing, protective gloves. P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P402 - Store in a dry place. P411 - Store at temperatures not exceeding 10-25 ° C. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Additional information

Name	General description	Quantity	Unit	GHS hazard classification
CFS-S SIL EHD, A		1	pcs (pieces)	Not classified
CFS-S SIL EHD, B		1	pcs (pieces)	Not classified

### SECTION 4: General advice

General advice For professional users only

### SECTION 5: Safe handling advice

Storage conditions	Store in a dry place. Storage temperature: 10 - 25° C
Precautions for safe handling	Wear personal protective equipment
Methods for cleaning up	Collect spillage. This material and its container must be disposed of in a safe way, and as per local legislation

### SECTION 6: First aid measures

First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical
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# CFS-S SIL EHD

## Safety information for 2-Component-products

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First-aid measures after ingestion	advice/attention. Rinse mouth Call a poison center or a doctor if you feel unwell
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	Wash skin with plenty of water If skin irritation occurs: Get medical advice/attention.

### SECTION 7: Fire fighting measures

Protection during firefighting	Self-contained breathing apparatus Complete protective clothing
Hazardous decomposition products in case of fire	Thermal decomposition generates : Carbon dioxide Carbon monoxide Formaldehyde

### SECTION 8: Other information

No data available



# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

Version:3.3

Revision date: 2021/09/20

Issue date: 2022/02/17

Supersedes: 2021/09/20

## SECTION 1 Chemical product and company identification

### Product identifier

Product form Mixture  
Product name CFS-S SIL EHD, B  
Product code BU Fire Protection  
Chemical Chinese name  
Chemical English name  
Product group Trade product

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

喜利得（中国）商贸有限公司  
耀元路58号环球都会广场2号楼8层  
浦东新区  
200126 上海  
T +86 21 6016 7316

### Supplier

喜利得（中国）商贸有限公司  
耀元路58号环球都会广场2号楼8层  
浦东新区  
200126 上海  
T +86 21 6016 7316

### Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum -  
24h Service  
+41 44 251 51 51 (international)

Country	Organisation/Company	Address	Emergency number
China	中国境内化学事故应急咨询电话 / chemical accident emergency consultation service hotline (24/7)		+86 532 83889090

## SECTION 2 Hazards identification

### Emergency overview

Treat symptomatically. Viscous, dark grey. None under recommended storage and handling conditions (see section 7). Under normal conditions of storage and use, hazardous decomposition products should not be produced. On heating: formation of small quantities of formaldehyde. Dust/Mist, odourless. The product is non-reactive under normal conditions of use, storage and transport. Non flammable. No dangerous reactions known under normal conditions of use. Ventilate area. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Harmful if swallowed or if inhaled. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated

# CFS-S SIL EHD, B

## Safety Data Sheet


According to GB/T 17519-2013 and GB 30000

exposure. Very toxic to aquatic life with long lasting effects.

### GHS hazard classification

Physical hazards	Flammable liquids Not classified
Health hazards	Acute toxicity (Oral), Category 4 Acute toxicity (Inhalation:dust,mist), Category 4 Reproductive toxicity, Category 1A Specific target organ toxicity - Repeated exposure, Category 2
Environmental hazards	Hazardous to the aquatic environment - Acute hazard, Category 1 Hazardous to the aquatic environment - Chronic hazard, Category 1
Other hazards not mentioned above are Not applicable or No data is available.	

### Label elements

Hazard pictograms (GHS CN)	
Signal word (GHS CN)	Danger.
Hazard statements (GHS CN)	H302+H332 - Harmful if swallowed or if inhaled H360 - May damage fertility or the unborn child H373 - May cause damage to organs through prolonged or repeated exposure H410 - Very toxic to aquatic life with long lasting effects.

### Precautionary statements (GHS CN)

Prevention measures	P260 - Do not breathe dust, mist. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear eye protection, protective clothing, protective gloves.
Incident response	P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313 - IF exposed or concerned: Get medical advice/attention.
Safe storage	P402 - Store in a dry place. P411 - Store at temperatures not exceeding 10-25 ° C.
Disposal	P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Physical and chemical hazards

No additional information available

### Health hazards

Harmful if swallowed or if inhaled	
May damage fertility or the unborn child	
May cause damage to organs through prolonged or repeated exposure	
Symptoms/effects	There are potential chronic health effects to consider
Symptoms/effects after ingestion	Swallowing a small quantity of this material will result in serious health hazard
Symptoms/effects after inhalation	Danger of serious damage to health by prolonged exposure through inhalation

### Environmental hazards

Very toxic to aquatic life with long lasting effects

# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

### Other hazards

No additional information available

## SECTION 3 Composition/information on ingredients

Product form Mixture.

Ingredient(s)	Concentration or concentration ranges (w/w %)	CAS No.
lead	20 - 30	7439-92-1

## SECTION 4 First-aid measures

### Description of necessary first-aid measures

First-aid measures general	IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell. Never give anything by mouth to an unconscious person
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. Allow affected person to breathe fresh air. Allow the victim to rest. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	Wash skin with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse
First-aid measures after eye contact	Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists
First-aid measures after ingestion	Rinse mouth. Call a poison center or a doctor if you feel unwell. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell.

### Most important symptoms/effects

Symptoms/effects	There are potential chronic health effects to consider
Symptoms/effects after ingestion	Swallowing a small quantity of this material will result in serious health hazard
Symptoms/effects after inhalation	Danger of serious damage to health by prolonged exposure through inhalation

# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

### Advices for first aid responders

No additional information available

### Notes for the doctor

Other medical advice or treatment      Treat symptomatically

## SECTION 5 Fire-fighting measures

### Extinguishing media

Suitable extinguishing media	Water spray Dry powder Foam Carbon dioxide Sand
Unsuitable extinguishing media	Do not use a heavy water stream

### Specific hazards

Hazardous decomposition products in case of fire	Toxic fumes may be released
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### Advice for firefighters and protective measures

Firefighting instructions	Use water spray or fog for cooling exposed containers Exercise caution when fighting any chemical fire Prevent fire fighting water from entering the environment
Protection during firefighting	Do not attempt to take action without suitable protective equipment Self-contained breathing apparatus Complete protective clothing Do not enter fire area without proper protective equipment, including respiratory protection

## SECTION 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

General measures	No additional information available
Personal Precautions, Protective Equipment and Emergency Procedures	No additional information available

### For non-emergency personnel

Emergency procedures	Only qualified personnel equipped with suitable protective equipment may intervene Do not breathe dust/fume/gas/mist/vapours/spray. Evacuate unnecessary personnel
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### 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" Equip cleanup crew with proper protection
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# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

Emergency procedures

Ventilate area

### Environmental precautions

Avoid release to the environment

Notify authorities if product enters sewers or public waters

Prevent entry to sewers and public waters

Notify authorities if liquid enters sewers or public waters

### Methods and material for containment and cleaning up

Methods for cleaning

No additional information available

For containment

Collect spillage.

### Prevention measures for secondary accidents

Prevention Measures for Secondary  
Accidents

No additional information available

Other information

Dispose of materials or solid residues at an authorized site

## SECTION 7 Handling and storage

### Handling

Precautions for safe handling

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear personal protective equipment  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Use only outdoors or in a well-ventilated area.  
Wash hands and other exposed areas with mild soap and water before eating,  
drinking or smoking and when leaving work  
Provide good ventilation in process area to prevent formation of vapour  
Avoid breathing dust/fume/gas/mist/vapours/spray.

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  
Wash hands, forearms and face thoroughly after handling.

Local and general ventilation

No additional information available

### Storage

Storage conditions

Store locked up.  
Store in a well-ventilated place.  
Keep container closed when not in use

Material used in packaging/containers

No additional information available

Incompatible products

Strong bases. Strong acids.

Incompatible materials

Sources of ignition. Direct sunlight.

Storage temperature

10 - 25 ° C

## SECTION 8 Exposure controls / Personal protection equipment



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According to GB/T 17519-2013 and GB 30000

### Occupational exposure limits

No additional information available

### Biological limit values

Additional information

The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

### Monitoring methods

No additional information available

### Appropriate engineering controls

Ensure good ventilation of the work station

### Personal protective equipment

Personal protective equipment

Avoid all unnecessary exposure

Protective goggles

Protective clothing

Gloves

Dust formation: dust mask

Environmental exposure controls

Avoid release to the environment.

Other information

Do not eat, drink or smoke during use

Hand protection

Protective gloves

EN 374

Wear protective gloves.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves.	Nitrile rubber (NBR).	3 (> 60 minutes).	<0.4		EN ISO 374.

Eye protection

EN 166

EN 170

Chemical goggles or safety glasses

Type	Field of application	Characteristics	Standard
Safety goggles, Safety glasses.			EN 166, EN 170.

Skin and body protection

Wear suitable protective clothing

Respiratory protection

Wear appropriate mask

Personal protective equipment symbol(s)



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## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

### SECTION 9 Physical and chemical properties

Physical state	Liquid
Appearance	Viscous
Colour	dark grey
Odour	odourless
pH	No data available
Melting point	Not applicable
Freezing point	Not applicable
Boiling point	No data available
Flash point	> 100 ° C Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Flammability (solid, gas)	Non flammable.
Vapour pressure	No data available
Relative vapour density at 20 ° C	No data available
Relative density	Not applicable
Density	No data available
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	Not applicable
Explosive limits (vol %)	Not applicable
Lower explosive limit (LEL)	No data available
Upper explosive limit (UEL)	No data available
Radioactive	No

### SECTION 10 Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	Stable under normal conditions. Not established
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use Not established
Conditions to avoid	None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures
Incompatible materials	Strong acids Strong bases
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced On heating: formation of small quantities of formaldehyde fume Carbon monoxide Carbon dioxide
Other properties	No additional information available

# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

### SECTION 11 Toxicological information

#### Acute toxicity

Acute toxicity (oral)	Harmful if swallowed.
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	Harmful if inhaled.

CFS-S SIL EHD, B	
ATE CN (oral)	1666.667 mg/kg bodyweight
ATE CN (dust, mist)	5 mg/l/4h

lead	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity - Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 5.05 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))
ATE CN (oral)	500 mg/kg bodyweight
ATE CN (dust, mist)	1.5 mg/l/4h

#### Skin corrosion/irritation

Skin corrosion/irritation	No data available
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#### Serious eye damage/eye irritation

Serious eye damage/irritation	No data available
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#### Respiratory or skin sensitisation

Respiratory or skin sensitisation	No data available
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#### Germ cell mutagenicity

Germ cell mutagenicity	No data available
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#### Carcinogenicity

Carcinogenicity	No data available
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lead	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

#### Reproductive toxicity

Reproductive toxicity	May damage fertility or the unborn child.
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#### STOT - single exposure

STOT-single exposure	No data available
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#### STOT - repeated exposure

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

<b>lead</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard

Aspiration hazard : No data available

<b>CFS-S SIL EHD, B</b>	
Viscosity, kinematic	Not applicable

## SECTION 12 Ecological information

### Ecotoxicity

Ecology - general	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Ecology - water	Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	Very toxic to aquatic life with long lasting effects.

<b>lead</b>	
LC50 - Fish [1]	107 - 1170 µg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal)

### Persistence and degradability

<b>CFS-S SIL EHD, B</b>	
Persistence and degradability	May cause long-term adverse effects in the environment

<b>lead</b>	
Persistence and degradability	Biodegradability in soil: not applicable Biodegradability: not applicable
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

### Bioaccumulative potential

<b>CFS-S SIL EHD, B</b>	
Bioaccumulative potential	Not established

<b>lead</b>	
Bioaccumulative potential	Bioaccumulation: not applicable

### Mobility in soil

<b>CFS-S SIL EHD, B</b>	
Ecology - soil	Not established

<b>lead</b>	
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# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

Ecology - soil	Bioaccumulation: not applicable
Surface tension	No data available (test not performed)

### Other adverse effects

Classification procedure (Ozone)

No data available

Other information

Avoid release to the environment.

## SECTION 13 Disposal considerations

### Waste treatment methods

Dispose of contents/container in accordance with licensed collector' s sorting instructions.

### Contaminated container and packaging

No additional information available

### Additional information

No additional information available

### Product/Packaging disposal recommendations

Dispose in a safe manner in accordance with local/national regulations

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Ecology - waste materials

Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
UN 3077	UN 3077	UN 3077	UN 3077
<b>14.2. UN proper shipping name</b>			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead)	Environmentally hazardous substance, solid, n.o.s. (contains lead)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead)
Transport document description			
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead), 9, III, (E)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (contains lead), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead), 9, III
<b>14.3. Transport hazard class(es)</b>			
9	9	9	9
<b>14.4. Packing group</b>			
III	III	III	III

# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

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

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	M7
Special provisions (ADR)	274, 335, 601, 375
Limited quantities (ADR)	5kg
Packing instructions (ADR)	P002, IBC08, LP02, R001
Mixed packing provisions (ADR)	MP10
Transport category (ADR)	3
Orange plates	<div style="border: 2px solid black; padding: 5px; text-align: center; width: fit-content; margin: 0 auto;"> <div style="background-color: orange; color: black; font-weight: bold; padding: 2px 10px;">90</div> <div style="background-color: orange; color: black; font-weight: bold; padding: 2px 10px;">3077</div> </div>

Tunnel restriction code (ADR) E

#### Transport by sea

Special provisions (IMDG)	274, 335, 966, 967, 969
Limited quantities (IMDG)	5 kg
Packing instructions (IMDG)	P002, LP02
EmS-No. (Fire)	F-A
EmS-No. (Spillage)	S-F
Stowage category (IMDG)	A
Stowage and handling (IMDG)	SW23
MFAG-No	171

#### Air transport

PCA packing instructions (IATA)	956
PCA max net quantity (IATA)	400kg
CAO packing instructions (IATA)	956
Special provisions (IATA)	A97, A158, A179, A197

#### Rail transport

Special provisions (RID)	274, 335, 375, 601
Limited quantities (RID)	5kg
Packing instructions (RID)	P002, IBC08, LP02, R001

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

### SECTION 15 Regulatory information

Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used	List of Highly Toxic Chemicals (2002)
Regulation on the Safety Management of Hazardous Chemicals	Not listed
Rules for dangerous goods transport by railway	Not listed
Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals	Not listed
Regulation of the People's Republic of China on the Administration of the Import and Export of Goods	Not listed
Regulation on the Control of Precursor Chemicals	Not listed
Measures for the Administration of Pharmaceutical Precursor Chemicals	Not listed
Regulations on the Control of Agricultural Chemicals; Notice of Pesticide Transport	Not listed
Regulation on the Management of Controlled Chemicals	Not listed
New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)	
Inventory of Existing Chemical Substances in China (IECSC)	: Listed
Regulations on the Safe Management of Hazardous Chemicals (Decree 591 of the State Council)	
Catalogue of Hazardous Chemicals (2015)	: Not listed
Identification of major hazard installations for dangerous chemicals (GB 18218)	: Not listed
Catalogue of Severely Restricted Toxic Chemicals	: Not listed
Regulations on Administration of Chemicals Subjected to Supervision and Control	
Catalogue of Controlled Chemicals	: Not listed
Regulation on the Administration of Precursor Chemicals (Decree 445 of the State Council)	
Catalogue of Precursor Chemicals	: Not listed
Catalogue of Pharmaceutical Precursor Chemicals	: Not listed
Measures for the Administration on the restriction of the use of certain hazardous substances in electrical and electronic equipment	
Hazardous Substances in Electrical and Electronic Products	: Not listed
Regulations on Administration of Ozone Depleting Substances (Decree 573 of the State Council)	
List of Ozone-Depleting Substances under Control in China	: Not listed



# CFS-S SIL EHD, B

## Safety Data Sheet

According to GB/T 17519-2013 and GB 30000

### Other domestic regulatory lists

Dangerous Goods List (GB 12268-2012) : Not listed

List of Goods Prohibited from Export (No. 3) : Not listed  
or Import (No. 6)

## SECTION 16 Other information

### SDS Reason for revision

general update

### Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

### Other information

None

SDS\_CN\_Hilti

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*



# CFS-S SIL EHD, A

## Safety Data Sheet

Compiled according to GB/T 16483, GB/T 17519

Version:3.3

Revision date: 2021/09/20

Issue date: 2022/02/17

Supersedes: 2021/09/20

## SECTION 1 Chemical product and company identification

### Product identifier

Product form Mixture  
Product name CFS-S SIL EHD, A  
Product code BU Fire Protection  
Chemical Chinese name  
Chemical English name  
Product group Trade product

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

喜利得（中国）商贸有限公司  
耀元路58号环球都会广场2号楼8层  
浦东新区  
200126 上海  
T +86 21 6016 7316

### Supplier

喜利得（中国）商贸有限公司  
耀元路58号环球都会广场2号楼8层  
浦东新区  
200126 上海  
T +86 21 6016 7316

### Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum -  
24h Service  
+41 44 251 51 51 (international)

Country	Organisation/Company	Address	Emergency number
China	中国境内化学事故应急咨询电话 / chemical accident emergency consultation service hotline (24/7)		+86 532 83889090

## SECTION 2 Hazards identification

### Emergency overview

Treat symptomatically. Viscous, dark grey. None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures. Under normal conditions of storage and use, hazardous decomposition products should not be produced. On heating: formation of small quantities of formaldehyde, fume, Carbon monoxide, Carbon dioxide, Strong acids, Strong bases, Dust/Mist, odourless. The product is non-reactive under normal conditions of use, storage and transport. Not applicable. Non flammable. May cause long-term adverse effects in the environment. No dangerous reactions known under normal conditions of use. Not established. Ventilate area. Do not attempt to take action without suitable protective equipment. For

# CFS-S SIL EHD, A

## Safety Data Sheet


Compiled according to GB/T 16483, GB/T 17519

further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection. Harmful if swallowed or if inhaled. May damage fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

### GHS hazard classification

Physical hazards	Flammable liquids Not classified
Health hazards	Acute toxicity (Oral), Category 4 Acute toxicity (Inhalation:dust,mist), Category 4 Reproductive toxicity, Category 1A Specific target organ toxicity - Repeated exposure, Category 2
Environmental hazards	Hazardous to the aquatic environment - Acute hazard, Category 1 Hazardous to the aquatic environment - Chronic hazard, Category 1
Other hazards not mentioned above are	Not applicable or No data is available.

### Label elements

Hazard pictograms (GHS CN)	
Signal word (GHS CN)	Danger.
Hazard statements (GHS CN)	H302+H332 - Harmful if swallowed or if inhaled H360 - May damage fertility or the unborn child H373 - May cause damage to organs through prolonged or repeated exposure H410 - Very toxic to aquatic life with long lasting effects.

### Precautionary statements (GHS CN)

Prevention measures	P260 - Do not breathe dust, mist. P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment.
Incident response	P280 - Wear eye protection, protective clothing, protective gloves. P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313 - IF exposed or concerned: Get medical advice/attention.
Safe storage	P402 - Store in a dry place. P411 - Store at temperatures not exceeding 10-25 ° C.
Disposal	P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### Physical and chemical hazards

No additional information available

### Health hazards

Harmful if swallowed or if inhaled	
May damage fertility or the unborn child	
May cause damage to organs through prolonged or repeated exposure	
Symptoms/effects	There are potential chronic health effects to consider
Symptoms/effects after ingestion	Swallowing a small quantity of this material will result in serious health hazard
Symptoms/effects after inhalation	Danger of serious damage to health by prolonged exposure through inhalation

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### Environmental hazards

Very toxic to aquatic life with long lasting effects

### Other hazards

No additional information available

## SECTION 3 Composition/information on ingredients

Product form Mixture.

Ingredient(s)	Concentration or concentration ranges (w/w %)	CAS No.
lead	20 - 30	7439-92-1

## SECTION 4 First-aid measures

### Description of necessary first-aid measures

First-aid measures general	IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell. Never give anything by mouth to an unconscious person
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. Allow affected person to breathe fresh air. Allow the victim to rest. Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	Wash skin with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse
First-aid measures after eye contact	Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists
First-aid measures after ingestion	Rinse mouth. Call a poison center or a doctor if you feel unwell. Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER/doctor if you feel unwell.

### Most important symptoms/effects

Symptoms/effects There are potential chronic health effects to consider

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Symptoms/effects after ingestion	Swallowing a small quantity of this material will result in serious health hazard
Symptoms/effects after inhalation	Danger of serious damage to health by prolonged exposure through inhalation

### Advices for first aid responders

No additional information available

### Notes for the doctor

Other medical advice or treatment	Treat symptomatically
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## SECTION 5 Fire-fighting measures

### Extinguishing media

Suitable extinguishing media	Water spray Dry powder Foam Carbon dioxide Sand
Unsuitable extinguishing media	Do not use a heavy water stream

### Specific hazards

Hazardous decomposition products in case of fire	Toxic fumes may be released
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### Advice for firefighters and protective measures

Firefighting instructions	Use water spray or fog for cooling exposed containers Exercise caution when fighting any chemical fire Prevent fire fighting water from entering the environment
Protection during firefighting	Do not attempt to take action without suitable protective equipment Self-contained breathing apparatus Complete protective clothing Do not enter fire area without proper protective equipment, including respiratory protection

## SECTION 6 Accidental release measures

### Personal precautions, protective equipment and emergency procedures

General measures	No additional information available
Personal Precautions, Protective Equipment and Emergency Procedures	No additional information available

### For non-emergency personnel

Emergency procedures	Only qualified personnel equipped with suitable protective equipment may intervene Do not breathe dust/fume/gas/mist/vapours/spray. Evacuate unnecessary personnel
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### 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"
Emergency procedures	Equip cleanup crew with proper protection Ventilate area

### Environmental precautions

Avoid release to the environment
Notify authorities if product enters sewers or public waters
Prevent entry to sewers and public waters
Notify authorities if liquid enters sewers or public waters

### Methods and material for containment and cleaning up

Methods for cleaning	No additional information available
For containment	Collect spillage.

### Prevention measures for secondary accidents

Prevention Measures for Secondary Accidents	No additional information available
Other information	Dispose of materials or solid residues at an authorized site

## SECTION 7 Handling and storage

### Handling

Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work Provide good ventilation in process area to prevent formation of vapour Avoid breathing dust/fume/gas/mist/vapours/spray.
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 Wash hands, forearms and face thoroughly after handling.
Local and general ventilation	No additional information available

### Storage

Storage conditions	Store locked up. Store in a well-ventilated place. Keep container closed when not in use
Material used in packaging/containers	No additional information available
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.

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Storage temperature 10 - 25 ° C

### SECTION 8 Exposure controls / Personal protection equipment

#### Occupational exposure limits

No additional information available

#### Biological limit values

Additional information The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

#### Monitoring methods

No additional information available

#### Appropriate engineering controls

Ensure good ventilation of the work station

#### Personal protective equipment

Personal protective equipment Avoid all unnecessary exposure  
 Environmental exposure controls Avoid release to the environment.  
 Other information Do not eat, drink or smoke during use  
  
 Hand protection Protective gloves  
 EN 374  
 Wear protective gloves.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves.	Nitrile rubber (NBR).	3 (> 60 minutes).	<0.4		EN ISO 374.

Eye protection Chemical goggles or safety glasses

Type	Field of application	Characteristics	Standard
Safety goggles, Safety glasses.			EN 166, EN 170.

Skin and body protection Wear suitable protective clothing

Respiratory protection Wear appropriate mask

### SECTION 9 Physical and chemical properties

Physical state Liquid  
 Appearance Viscous  
 Colour dark grey  
 Odour odourless

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pH	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	> 100 ° C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable Non flammable.
Vapour pressure	No data available
Relative vapour density at 20 ° C	No data available
Density	No data available
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Lower explosive limit (LEL)	No data available
Upper explosive limit (UEL)	No data available
Radioactive	No

### SECTION 10 Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	Stable under normal conditions. Not established
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use Not established
Conditions to avoid	None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures
Incompatible materials	Strong acids Strong bases
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced On heating: formation of small quantities of formaldehyde fume Carbon monoxide Carbon dioxide
Other properties	No additional information available

### SECTION 11 Toxicological information

#### Acute toxicity

Acute toxicity (oral)	Harmful if swallowed.
Acute toxicity (dermal)	No data available
Acute toxicity (inhalation)	Harmful if inhaled.

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ATE CN (oral)	1666.667 mg/kg bodyweight
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ATE CN (dust, mist)	5 mg/1/4h

lead	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity - Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 5.05 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))
ATE CN (oral)	500 mg/kg bodyweight
ATE CN (dust, mist)	1.5 mg/1/4h

### Skin corrosion/irritation

Skin corrosion/irritation No data available

### Serious eye damage/eye irritation

Serious eye damage/irritation No data available

### Respiratory or skin sensitisation

Respiratory or skin sensitisation No data available

### Germ cell mutagenicity

Germ cell mutagenicity No data available

### Carcinogenicity

Carcinogenicity No data available

lead	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

### Reproductive toxicity

Reproductive toxicity May damage fertility or the unborn child.

### STOT - single exposure

STOT-single exposure No data available

### STOT - repeated exposure

STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.

lead	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

### Aspiration hazard

Aspiration hazard : No data available

## SECTION 12 Ecological information

### Ecotoxicity



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Ecology - general	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.
Ecology - water	Very toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	Very toxic to aquatic life with long lasting effects.

lead	
LC50 - Fish [1]	107 - 1170 µg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal)

### Persistence and degradability

CFS-S SIL EHD, A	
Persistence and degradability	May cause long-term adverse effects in the environment

lead	
Persistence and degradability	Biodegradability in soil: not applicable Biodegradability: not applicable
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

### Bioaccumulative potential

CFS-S SIL EHD, A	
Bioaccumulative potential	Not established

lead	
Bioaccumulative potential	Bioaccumulation: not applicable

### Mobility in soil

CFS-S SIL EHD, A	
Ecology - soil	Not established

lead	
Ecology - soil	Bioaccumulation: not applicable
Surface tension	No data available (test not performed)

### Other adverse effects

Classification procedure (Ozone)	No data available
Other information	Avoid release to the environment.

## SECTION 13 Disposal considerations

Waste treatment methods	Dispose of contents/container in accordance with licensed collector' s sorting instructions.
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<b>Contaminated container and packaging</b>	No additional information available
<b>Additional information</b>	No additional information available
<b>Product/Packaging disposal recommendations</b>	Dispose in a safe manner in accordance with local/national regulations Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
<b>Ecology - waste materials</b>	Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
UN 3077	UN 3077	UN 3077	UN 3077
<b>14.2. UN proper shipping name</b>			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead)	Environmentally hazardous substance, solid, n.o.s. (contains lead)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead)
Transport document description			
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (contains lead), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains lead), 9, III
<b>14.3. Transport hazard class(es)</b>			
9	9	9	9
<b>14.4. Packing group</b>			
III	III	III	III
<b>14.5. Environmental hazards</b>			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available			

### 14.6. Special precautions for user

#### Overland transport


Classification code (ADR)	M7
Special provisions (ADR)	274, 335, 601, 375
Limited quantities (ADR)	5kg
Packing instructions (ADR)	P002, IBC08, LP02, R001
Mixed packing provisions (ADR)	MP10

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Transport category (ADR)	3
Orange plates	
<b>Transport by sea</b>	
Special provisions (IMDG)	274, 335, 966, 967, 969
Limited quantities (IMDG)	5 kg
Packing instructions (IMDG)	P002, LP02
EmS-No. (Fire)	F-A
EmS-No. (Spillage)	S-F
Stowage category (IMDG)	A
Stowage and handling (IMDG)	SW23
MFAG-No	171

<b>Air transport</b>	
PCA packing instructions (IATA)	956
PCA max net quantity (IATA)	400kg
CAO packing instructions (IATA)	956
Special provisions (IATA)	A97, A158, A179, A197

<b>Rail transport</b>	
Special provisions (RID)	274, 335, 375, 601
Limited quantities (RID)	5kg
Packing instructions (RID)	P002, IBC08, LP02, R001

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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### SECTION 15 Regulatory information

Regulations on Labor Protection in Workplaces Where Toxic Substances Are Used	List of Highly Toxic Chemicals (2002)
Regulation on the Safety Management of Hazardous Chemicals	Not listed
Rules for dangerous goods transport by railway	Not listed
Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals	Not listed
Regulation of the People's Republic of China on the Administration of the Import and Export of Goods	Not listed
Regulation on the Control of Precursor Chemicals	Not listed
Measures for the Administration of Pharmaceutical Precursor Chemicals	Not listed
Regulations on the Control of Agricultural Chemicals; Notice of Pesticide Transport	Not listed
Regulation on the Management of Controlled Chemicals	Not listed
New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)	
Inventory of Existing Chemical Substances in China (IECSC)	: Listed
Regulations on the Safe Management of Hazardous Chemicals (Decree 591 of the State Council)	
Catalogue of Hazardous Chemicals (2015)	: Not listed
Identification of major hazard installations for dangerous chemicals (GB 18218)	: Not listed
Catalogue of Severely Restricted Toxic Chemicals	: Not listed
Regulations on Administration of Chemicals Subjected to Supervision and Control	
Catalogue of Controlled Chemicals	: Not listed
Regulation on the Administration of Precursor Chemicals (Decree 445 of the State Council)	
Catalogue of Precursor Chemicals	: Not listed
Catalogue of Pharmaceutical Precursor Chemicals	: Not listed
Measures for the Administration on the restriction of the use of certain hazardous substances in electrical and electronic equipment	
Hazardous Substances in Electrical and Electronic Products	: Not listed
Regulations on Administration of Ozone Depleting Substances (Decree 573 of the State Council)	
List of Ozone-Depleting Substances under Control in China	: Not listed



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### Other domestic regulatory lists

Dangerous Goods List (GB 12268-2012) : Does not contain listed substance(s)

List of Goods Prohibited from Export (No. 3) or Import (No. 6) : Not listed

## SECTION 16 Other information

### SDS Reason for revision

storage temp.

### Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

### Other information

None

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*