



# CFS-T EMC

依据标准：GB/T 16483, GB/T 17519-2013

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Supersedes: 2017/10/24

## SECTION 1 Chemical product and company identification

### Product identifier

Product form Mixture  
Product name CFS-T EMC  
Product code BU Fire Protection  
Chemical name

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

**Supplier**  
Hilti (China) Ltd.  
8F, Tower 2, No.58 Yao Yuan  
Rd.  
Pudong District  
200126 Shanghai - China  
T +86 21 6016 7316  
[cncs@hilti.com](mailto:cncs@hilti.com)

**Department issuing data specification sheet**  
Hilti AG  
Feldkircherstraße 100  
9494 Schaan - Liechtenstein  
T +423 234 2111  
[chemicals.hse@hilti.com](mailto:chemicals.hse@hilti.com)

### Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum -  
24h Service  
+41 44 251 51 51 (international)  
+86 21 6016 7320  
800-820-2585 (Toll Free)

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)		400-6267-911

## SECTION 2 Hazards identification

### Emergency overview

----- TO BE COMPLETED -----

### GHS classification

Physical hazards Flammable liquids Not classified  
Other hazards not mentioned above are Not applicable or No data is available.

### Label elements

No data available

### Physical and chemical hazards

No additional information available

### Health hazards

Symptoms/effects Not expected to present a significant hazard under anticipated conditions of

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normal use

### Environmental hazards

No additional information available

### Other hazards

No additional information available

## SECTION 3 Composition/information on ingredients

### Product form

Mixture.

This mixture does not contain any substance to be mentioned according to the criteria of section 3 of GB/T 17519-2013

## SECTION 4 First aid measures

### Emergency

First-aid measures general	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible)
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest
First-aid measures after skin contact	Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists
First-aid measures after ingestion	Get medical advice/attention. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention

### Most Important Symptoms/Effects

Not expected to present a significant hazard under anticipated conditions of normal use

### Personal Protection in First Aid and Measures

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

#### Special hazard

Hazardous decomposition products in case of fire	Carbon dioxide Carbon monoxide
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#### Advice for firefighters and protective measures

Firefighting instructions	Use water spray or fog for cooling exposed containers Prevent fire fighting water from entering the environment Exercise caution when fighting any chemical fire
Protection during firefighting	Self-contained breathing apparatus 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	Evacuate unnecessary personnel
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#### For emergency responders

Protective equipment	For further information refer to section 8: "Exposure controls/personal protection" Equip cleanup crew with proper protection
Emergency procedures	Ventilate area

#### Environmental precautions

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

#### Methods and Equipment for Containment and Cleaning up

Methods for cleaning	No additional information available
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For containment	No additional information available
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#### Prevention Measures for Secondary Accidents

Prevention Measures for Secondary Accidents	No additional information available
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### SECTION 7 Handling and storage

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### Handling

Precautions for safe handling	Wear personal protective equipment 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
Hygiene measures	Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Local and general ventilation	No additional information available

### Storage

Storage conditions	Keep cool. Store in a dry place. Keep container closed when not in use Keep only in the original container in a cool, well ventilated place away from :
Material used in packaging/containers	No additional information available
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.
Storage temperature	5 - 25 ° C

## SECTION 8 Exposure controls / Personal protection equipment

### Occupational Exposure Limits

No additional information available

### Biological limit values

No additional information available

### Monitoring methods

No additional information available

### Appropriate engineering controls

No additional information available

### Personal protective equipment

Personal protective equipment	Protective clothing Safety glasses Gloves
Environmental exposure controls	Avoid all unnecessary exposure Avoid release to the environment.
Other information	Do not eat, drink or smoke during use
Hand protection	Wear protective gloves.
Eye protection	Chemical goggles or safety glasses

Type	Use	Characteristics	Standard
Safety glasses.			EN 166, EN 170.

Skin and body protection      Wear suitable protective clothing

Respiratory protection      No respiratory protection needed under normal use conditions

Personal protective equipment symbol(s)

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### SECTION 9 Physical and chemical properties

Physical state	Liquid
Appearance	Pasty
Colour	Grey, Silver
Odour	characteristic
Odour threshold	Not determined.
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	1.23 g/cm <sup>3</sup>
Solubility	insoluble in water.
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 fume Carbon monoxide Carbon dioxide

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**Other properties** No additional information available

### SECTION 11 Toxicological information

#### Acute toxicity

Acute toxicity (oral) No data available  
Acute toxicity (dermal) No data available  
Acute toxicity (inhalation) No data available

#### Skin corrosion/irritation

Skin corrosion/irritation No data available

#### Serious eye damage/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

#### Reproductive toxicity

Reproductive toxicity No data available

#### STOT-single exposure

STOT-single exposure No data available

#### STOT-repeated exposure

STOT-repeated exposure No data available

#### Aspiration hazard

Aspiration hazard No data available

CFS-T EMC	
Density	1.23 g/cm <sup>3</sup>

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### SECTION 12 Ecological information

#### Ecotoxicity

Ecology - general	Harmful to aquatic life.
Ecology - water	Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	No data available
Hazardous to the aquatic environment, long-term (chronic)	No data available

No additional information available

#### Persistence and degradability

CFS-T EMC	
Persistence and degradability	May cause long-term adverse effects in the environment Not established

#### Bioaccumulative potential

CFS-T EMC	
Bioaccumulative potential	Not established

#### Mobility in soil

CFS-T EMC	
Ecology - soil	Not established

#### 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 / RID / IMDG / IATA / ADN

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ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available			

### 14.6. Special precautions for user

**Overland transport**

No data available

**Transport by sea**

No data available

**Air transport**

No data available

**Rail transport**

No data available

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

Not applicable

## SECTION 15 Regulatory information

Regulation on the Safety Management of Hazardous Chemicals

Catalogue of Hazardous Chemicals (2015)  
1377, Aluminum

Rules for dangerous goods transport by railway

List of dangerous goods by railway (2009)  
43013

New Chemical Substance Environmental Management Registration Measures (MEE Order 12 of 2020)

Inventory of Existing Chemical Substances in China (IECSC) : Contains listed substance(s)

Regulations on the Safe Management of Hazardous Chemicals (Decree 591 of the State Council)

Catalogue of Hazardous Chemicals (2015) : Contains Hazardous Chemical(s)

Catalogue of Explosive Precursor Dangerous Chemicals : Contains listed substance(s)

Law of the People's Republic of China on the Prevention and Control of Occupational Diseases

Catalogue for Classification of Hazardous : Contains listed substance(s)





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### Factors of Occupational Diseases

#### Other domestic regulatory lists

Dangerous Goods List (GB 12268-2012) : Contains listed substance(s)

## SECTION 16 Other information

#### 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.*