

# CFS-P BA / CP 618 / CFS-D 1" / CFS-D 25

according to MoL regulation (10702052242)

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## 1. Identification of the chemical and of the business entity

Chemical name	CFS-P BA / CP 618 / CFS-D 1" / CFS-D 25
Product code	BU Fire Protection
Other Names	-
Recommended use	-
Restrictions on use	-
Names, addresses, and phone numbers of manufacturer, importer or supplier	<b>Supplier</b> 喜利得股份有限公司 220 台湾 台北 - 臺灣 新北市板橋區新站路 16 號 24 樓 T +886 2 6630 0345; 0800 221 036 Toll Free - F +886 2 2950 6132 <a href="mailto:twcs@hilti.com">twcs@hilti.com</a>  <b>Department issuing data specification sheet</b> Hilti AG 9494 Liechtenstein Schaan Feldkircherstraße 100 T +423 234 2111 <a href="mailto:product.compliance-fire.protection@hilti.com">product.compliance-fire.protection@hilti.com</a>
Emergency number	GBK GmbH Global Regulatory Compliance +49 (0)6132-84463

## 2. Hazard(s) identification

### GHS classification (Taiwan)

-

### Label content

Hazard pictograms (GHS TW)	-
Signal word (GHS TW)	-
Hazard statements (GHS TW)	-
Precautionary statements	-
Prevention precautionary statements	-
Response Precautionary Statements	-
Storage precautionary statements	-
Disposal precautionary statements	-
Other hazards which do not result in classification	-

## 3. Composition/information on ingredients

### Substance:

Not applicable

### Mixture:

Chemical properties Refer to Section 9

This mixture does not contain any substances to be mentioned according to CNS15030 classification.

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## 4. First-aid measures

### First aid measures for different exposure routes

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.
First-aid measures after skin contact	Wash skin with plenty of water
First-aid measures after eye contact	Obtain medical attention if pain, blinking or redness persists - Rinse eyes with water as a precaution
First-aid measures after ingestion	Rinse mouth - Do NOT induce vomiting. - Obtain emergency medical attention - Call a poison center or a doctor if you feel unwell

### Most Important Symptoms/Effects

Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use
Symptoms/effects after inhalation	Dust of the product, if present, may cause respiratory irritation after excessive inhalation exposure, Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard
Symptoms/effects after skin contact	None under normal conditions, Dust may cause irritation in skin folds or by contact in combination with tight clothing
Symptoms/effects after eye contact	None under normal conditions, Dust from this product may cause eye irritation
Symptoms/effects after ingestion	None under normal conditions

### Protection for the first aid staff

Personal Protection in First Aid and Measures	-
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### Notes to physician

Other medical advice or treatment	Treat symptomatically
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## 5. Firefighting measures

### Extinguishing media

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

### Specific hazards arising from firefighting measures

Fire hazard	No fire hazard
Explosion hazard	No direct explosion hazard
General measures	Notify authorities if product enters sewers or public waters Absorb spillage to prevent material damage.
Reactivity in case of fire	-
Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.

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## Specific firefighting methods

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 - Do not enter fire area without proper protective equipment, including respiratory protection

## Special protective equipment and precautions for fire-fighters

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection - Do not attempt to take action without suitable protective equipment - Self-contained breathing apparatus - Complete protective clothing

Personal protection (Emergency response) -

## 6. Accidental release measures

### Personal precautions

General measures Notify authorities if product enters sewers or public waters  
Absorb spillage to prevent material damage.

#### For non-emergency personnel

Protective equipment Wear recommended personal protective equipment  
Emergency procedures Ventilate spillage area  
Evacuate unnecessary personnel

#### For emergency responders

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

Emergency procedures Ventilate area  
Evacuate unnecessary personnel

### Environmental precautions

Environmental precautions Avoid release to the environment  
Prevent entry to sewers and public waters

### Methods and material for containment and cleaning up

For containment Using a clean shovel, put the material in a dry container and cover without compressing it

Methods for cleaning up Mechanically recover the product  
On land, sweep or shovel into suitable containers

Other information Dispose of materials or solid residues at an authorized site

## 7. Handling and storage

### Handling

Precautions for safe handling Ensure good ventilation of the work station  
Wear personal protective equipment  
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work

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Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product
Additional hazards when processed	Not expected to present a significant hazard under anticipated conditions of normal use

## Storage

Technical measures	Keep in a cool, well-ventilated place away from heat
Storage conditions	Store at ambient temperature
Incompatible products	Strong bases Strong acids
Incompatible materials	Sources of ignition Direct sunlight
Storage temperature	-5 - 40 ° C
Packaging materials	Store always product in container of same material as original container

## 8. Exposure controls/personal protection

**Appropriate engineering controls**                      Ensure good ventilation of the work station

### Control parameters

No additional information available

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

**General:**

Personal protective equipment:  
Avoid all unnecessary exposure. Protective goggles. Wear protective gloves. Protective clothing.

**Respiratory protection:**

Respiratory protection                                      No respiratory protection needed under normal use conditions

**Hand protection:**

Hand protection    Wear suitable gloves tested to EN374. Suitable for short-term work or as a splash guard:  
Nitrile rubber gloves (> 0.1 mm). In case of permanent product contact:

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	>0,4		

**Eye protection:**

Eye protection    Safety glasses

**Skin and body protection:**

Skin and body protection                              Wear suitable protective clothing

**Personal protective equipment symbol(s):**



**Hygiene measures:**

Do not eat, drink or smoke when using this product.  
Always wash hands after handling the product

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## 9. Physical and chemical properties

Appearance	Pasty
Physical state	Solid
Molecular mass	Not determined
Colour	red
Odour	characteristic
Odour threshold [ppm]	No data available
Odour threshold	Not determined
pH	Not relevant
Evaporation rate	No data available
Melting point	No data available
Freezing point	Not applicable
Boiling point	No data available
Flash point	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
Density	1.6 g/cm <sup>3</sup>
Solubility	Water: Insoluble
Partition coefficient n-octanol/water (Log Kow)	No data available
Viscosity, kinematic	Not applicable
Viscosity, kinematic (calculated value) (40 ° C)	Not applicable
Explosive limits (vol %)	Not applicable

## 10. Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	Not established
Possibility of hazardous reactions	Not established
Conditions to avoid	Direct sunlight. Extremely high or low temperatures
Incompatible materials	Strong acids Strong bases
Hazardous decomposition products	fume Carbon monoxide Carbon dioxide

## 11. Toxicological information

### Routes of exposure

No additional information available

### Symptoms

Potential adverse human health effects and      Based on available data, the classification criteria are not met

### Acute toxicity

Acute toxicity (oral)      Not classified

Acute toxicity (dermal)      Not classified

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Acute toxicity (inhalation)	Not classified
<b>Skin corrosion/irritation</b>	
Skin corrosion/irritation	Not classified pH: Not relevant
<b>Serious eye damage/irritation</b>	
Serious eye damage/irritation	Not classified
<b>Respiratory or skin sensitisation</b>	
Respiratory or skin sensitisation	Not classified
<b>Chronic toxicity or long-term toxicity</b>	
<b>Germ cell mutagenicity</b>	
Germ cell mutagenicity	Not classified
<b>Carcinogenicity</b>	
Carcinogenicity	Not classified
<b>Reproductive toxicity</b>	
Reproductive toxicity	Not classified
<b>STOT-single exposure</b>	
STOT-single exposure	Not classified
<b>STOT-repeated exposure</b>	
STOT-repeated exposure	Not classified
<b>Aspiration hazard</b>	
Aspiration hazard	Not classified
Viscosity, kinematic	Not applicable

## 12. Ecological information

### Ecotoxicity

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
<b>Hazardous to the aquatic environment, short-term (acute)</b>	
Hazardous to the aquatic environment, short-term (acute)	Not classified
<b>Hazardous to the aquatic environment, long-term (chronic)</b>	
Hazardous to the aquatic environment, long-term (chronic)	Not classified
<b>Additional ecotoxicological information</b>	
No additional information available	

### Persistence and degradability

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Persistence and degradability	Not established

### Bioaccumulative potential

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Bioaccumulative potential	Not established

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## Mobility in soil

No additional information available

## Other adverse effects

Ozone	Not classified
Other information	Avoid release to the environment.

## 13. Disposal considerations

Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations, Dispose of contents/container in accordance with licensed collector' s sorting instructions
Ecological information	Avoid release to the environment.
Sewage disposal recommendations	Disposal must be done according to official regulations
Product/Packaging disposal recommendations	Dispose in a safe manner in accordance with local/national regulations, Disposal must be done according to official regulations
Additional information	Do not re-use empty containers

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID
<b>14.1. UN number or ID number</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

## 14.6. Special precautions for user

### Overland transport

Not regulated

### Transport by sea

Not regulated

### Air transport

Not regulated

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**Rail transport**  
Not regulated

## 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## 15. Regulatory information

### Applicable regulations

1. Occupational Safety and Health Act
2. Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste
3. Traffic Safety Rule

## 16. Other information

### Literature references

1. 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

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Section	Changed item	Change	Comments
			general update
8		Modified	
15		Modified	
16		Modified	

### Abbreviations and acronyms

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways, ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road, ATE - Acute Toxicity Estimate, BCF - Bioconcentration factor, BLV - Biological limit value, BOD - Biochemical oxygen demand (BOD), COD - Chemical oxygen demand (COD), DMEL - Derived Minimal Effect level, DNEL - Derived-No Effect Level, EC-No. - European Community number, EC50 - Median effective concentration, EN - European Standard, IARC - International Agency for Research on Cancer, IATA - International Air Transport Association, IMDG - International Maritime Dangerous Goods, LC50 - Median lethal concentration, LD50 - Median lethal dose, LOAEL - Lowest Observed Adverse Effect Level, NOAEC - No-Observed Adverse Effect Concentration, NOAEL - No-Observed Adverse Effect Level, NOEC - No-Observed Effect Concentration, OECD - Organisation for Economic Co-operation and Development, OEL - Occupational Exposure Limit, PBT - Persistent Bioaccumulative Toxic, PNEC - Predicted No-Effect Concentration, RID - Regulations concerning the International Carriage of Dangerous Goods by Rail, SDS - Safety Data Sheet, STP - Sewage treatment plant, ThOD - Theoretical oxygen demand (ThOD), TLM - Median Tolerance Limit, VOC - Volatile Organic Compounds, CAS-No. - Chemical Abstract Service number, N.O.S. - Not Otherwise Specified, vPvB - Very Persistent and Very Bioaccumulative, ED - Endocrine disrupting properties

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.