

CFS-FFX/CP660

Safety information for 2-Component-products

Issue date: 17/10/2022 Revision date: 17/10/2022 Supersedes: 19/12/2017 Version: 6.1

SECTION 1: Kit identification

1.1 Product identifier

Trade name CFS-F FX / CP 660



Product code BU Fire Protection

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

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SECTION 2: General information

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

SECTION 3:

Classification of the Product

Classification according to the United Nations GHS

Acute Tox. 4 (Inhalation)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Resp. Sens. 1	H334
Skin Sens. 1	H317
Carc. 2	H351
STOT SE 3	H335
STOT RE 2	H373

Label elements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN)





GHS07

Danger

GHS08

Signal word (GHS UN)

Hazardous ingredients 4,4'-diphenylmethanediisocyanate, isomeres and homologues; Ethylenediamine, ethoxylated

and propoxylated

Hazard statements (GHS UN) H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H332 - Harmful if inhaled.

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CFS-F FX / CP 660

Safety information for 2-Component-products

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 - May cause respiratory irritation. H351 - Suspected of causing cancer.

H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS UN) P260 - Do not breathe vapours.

P280 - Wear eye protection, protective clothing, protective gloves. P284 - In case of inadequate ventilation wear respiratory protection.

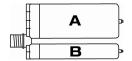
P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P342+P311 - If experiencing respiratory symptoms: Call a doctor, a POISON CENTER.

Additional information



Name	General description	Quantity	Unit	Classification according to the United Nations GHS
CFS-F FX, A / CP 660, A		1	pcs (pieces)	Skin Sens. 1, H317
CFS-F FX, B / CP 660, B		1	pcs (pieces)	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

SECTION 4: General advice

General advice For professional users only

SECTION 5: Safe handling advice

Environmental precautions Avoid release to the environment Storage conditions Store in a well-ventilated place.

Keep cool.

Precautions for safe handling Do not handle until all safety precautions have been read and understood.

Wear personal protective equipment

Do not breathe vapours.

Use only outdoors or in a well-ventilated area.

Avoid contact with skin and eyes

In case of inadequate ventilation wear respiratory protection.

Methods for cleaning up

Take up liquid spill into absorbent material

Notify authorities if product enters sewers or public waters

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 advice/attention.

First-aid measures after ingestion 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.

Call a poison center or a doctor if you feel unwell

First-aid measures after skin contact Wash with plenty of water/...

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing.

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CFS-F FX / CP 660

Safety information for 2-Component-products

First-aid measures general If you feel unwell, seek medical advice (show the label where possible)

Symptoms/effects after eye contact Eye irritation

Symptoms/effects after inhalation May cause respiratory irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Symptoms/effects after skin contact Irritation

May cause an allergic skin reaction.

SECTION 7: Fire fighting measures

Hazardous decomposition products in case of

Protection during firefighting Self-contained breathing apparatus

Complete protective clothing

Toxic fumes may be released

Carbon dioxide Carbon monoxide

SECTION 8: Other information

No data available

fire

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according to the United Nations GHS (Rev. 9, 2021)

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SECTION 1: Identification

1.1. GHS Product identifier

Product form Mixture

Trade name CFS-F FX, B / CP 660, B Product code BU Fire Protection

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture Firestop foam

1.4. Supplier's details

Supplier

P.T. Hilti Nusantara

The Garden Center Level 3 No. 3-11B, Kawasan Komersial Cilandak Jl.

Raya Cilandak KKO ID- 12560 Jakarta Indonesia

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Department issuing data specification sheet

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1.5. Emergency phone number

Emergency number

Schweizerisches Toxikologisches Informationszentrum – 24h Service

+41 44 251 51 51 (international)

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SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Specific target organ toxicity - Repeated exposure, Category 2

Acute toxicity (inhalation:dust,mist) Category 4

Skin corrosion/irritation, Category 2

H315

Serious eye damage/eye irritation, Category 2A

H319

Respiratory sensitisation, Category 1

H334

Skin sensitisation, Category 1

Carcinogenicity, Category 2

H351

Specific target organ toxicity – Single exposure, Category 3,

Respiratory tract irritation

Full text of H-statements: see section 16

Adverse physicochemical, human health and

environmental effects

Suspected of causing cancer, May cause damage to organs through prolonged or repeated exposure, May cause respiratory irritation, Causes skin irritation, May cause an allergic skin reaction, Causes serious eye irritation, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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H373



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2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN)





Signal word (GHS UN)

Hazardous ingredients

Hazard statements (GHS UN)

Precautionary statements (GHS UN)

Danger

4,4'-diphenylmethanediisocyanate, isomeres and homologues, 4,4'-methylenediphenyl

diisocyanate; diphenylmethane-4,4'-diisocyanate H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 - May cause respiratory irritation H351 - Suspected of causing cancer

H373 - May cause damage to organs through prolonged or repeated exposure

P260 - Do not breathe vapours.

P280 - Wear eye protection, protective clothing, protective gloves. P284 - In case of inadequate ventilation wear respiratory protection.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P342+P311 - If experiencing respiratory symptoms: Call a doctor, a POISON CENTER.

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

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according to the United Nations GHS (Rev. 9, 2021)

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
4,4'-diphenylmethanediisocyanate, isomeres and homologues	CAS-No.: 9016-87-9	0 – 100	Flammable liquids Not classified Acute toxicity (oral) Not classified Acute toxicity (dermal) Not classified Acute toxicity (inhal.), Category 4, H332 Skin corrosion/irritation, Category 2, H315 Serious eye damage/eye irritation, Category 2, H319 Respiratory sensitisation, Category 1, H334 Skin sensitisation, Category 1, H317 Carcinogenicity, Category 2, H351 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation, H335 Specific target organ toxicity — Repeated exposure, Category 2, H373
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate	CAS-No.: 101-68-8	25 – 60	Acute toxicity (dermal) Not classified Acute toxicity (inhal.), Category 4, H332 Skin corrosion/irritation, Category 2, H315 Serious eye damage/eye irritation, Category 2A, H319 Respiratory sensitisation, Category 1, H334 Skin sensitisation, Category 1, H317 Carcinogenicity, Category 2, H351 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation, H335 Specific target organ toxicity — Repeated exposure, Category 2, H373

Full text of H-statements: see section 16

SECTION 4: First-aid measures

11	Description of	nacassary first-aid	magelirae

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.

First-aid measures after skin contact Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash

occurs: Get medical advice/attention.

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.

First-aid measures after ingestion Call a poison center or a doctor if you feel unwell.

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4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation May cause respiratory irritation. May cause allergy or asthma symptoms or breathing

difficulties if inhaled.

Symptoms/effects after skin contact Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact Eye irritation.

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. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire Toxic fumes may be released. Carbon dioxide. Carbon monoxide.

5.3. Special protective actions for fire-fighters

Protection during firefighting Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures Ventilate spillage area. Do not breathe vapours. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment Use personal protective equipment as required. For further information refer to section 8:

"Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up Take up liquid spill into absorbent material.

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 Do not handle until all safety precautions have been read and understood. Wear personal

protective equipment. Do not eat, drink or smoke when using this product. Avoid contact

with skin and eyes.

Hygiene measures Wash contaminated clothing before reuse. 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. Keep cool.

Storage temperature 5 – 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

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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 Protective gloves. EN 374

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

Eye protection Chemical goggles or safety glasses. EN 166. EN 170

Туре	Field of application	Characteristics	Standard
Safety glasses	Droplet		EN 166, EN 170

Skin and body protection Wear suitable protective clothing

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. Not necessary with

sufficient ventilation

Device	Filter type	Condition	Standard
	Type A - High-boiling (>65 °C) organic compounds		

Personal protective equipment symbol(s)







8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state Liquid Colour amber. Odour characteristic. Odour threshold Not available Not applicable Melting point Not available Freezing point Not available Boiling point Not applicable Flammability Lower explosion limit Not available Upper explosion limit Not available > 200 °C Flash point Not available Auto-ignition temperature Not available Decomposition temperature Not available Not available pH solution Viscosity, kinematic (calculated value) (40 °C) 299,766 mm²/s Partition coefficient n-octanol/water (Log Kow) Not available Vapour pressure 0,1 mbar Vapour pressure at 50 °C Not available Density 1,155 kg/l Not available Relative density Relative vapour density at 20 °C Not available Not available Solubility

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Viscosity, dynamic 346,23 mPa.s Particle size Not applicable

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)

Acute toxicity (dermal)

Acute toxicity (inhalation)

Not classified

Harmful if inhaled.

CFS-F FX, B / CP 660, B

ATE UN (dust,mist) 1,5 mg/l/4h

4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)

LD50 oral rat	> 10000 mg/kg (Rat, Literature study, Oral)	
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Literature study, Dermal)	

4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)

,, ·, ·, ·	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 9400 mg/kg
LC50 Inhalation - Rat	> 0,354 g/m³

Skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an

allergic skin reaction.

Germ cell mutagenicity Not classified

Carcinogenicity Suspected of causing cancer.

Reproductive toxicity Not classified

STOT-single exposure May cause respiratory irritation.

4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)	
STOT-single exposure	May cause respiratory irritation.

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4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)		
May cause respiratory irritation.		
May cause damage to organs through prolonged or repeated exposure.		
4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)		
May cause damage to organs through prolonged or repeated exposure.		
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (101-68-8)		
May cause damage to organs through prolonged or repeated exposure.		
Not classified		
CFS-F FX, B / CP 660, B		
299,766 mm²/s		

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general The product is not considered harmful to aquatic organisms nor to cause long-term adverse

effects in the environment.

 $\label{thm:local_equation} \mbox{Hazardous to the aquatic environment, short-term}$

(acute)

Not classified

Hazardous to the aquatic environment, long-term

(chronic)

Not classified

4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)	
LC50 - Other aquatic organisms [1]	> 1000 mg/l (96 h, Literature study)

12.2. Persistence and degradability

CFS-F FX, B / CP 660, B		
Persistence and degradability No additional information available		
4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)		
Not rapidly degradable		
Persistence and degradability	Not readily biodegradable in water.	

12.3. Bioaccumulative potential

CFS-F FX, B / CP 660, B		
Bioaccumulative potential	No additional information available	
4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)		
BCF - Fish [1]	268,1 l/kg (BCFBAF v3.01, Estimated value, Fresh weight)	
Partition coefficient n-octanol/water (Log Kow)	10,46 (Calculated, KOWWIN)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	

12.4. Mobility in soil

CFS-F FX, B / CP 660, B		
Mobility in soil No additional information available		
4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)		
Surface tension	No data available in the literature	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	9,078 – 10,597 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	

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4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)

Ecology - soil Adsorbs into the soil.

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

Product/Packaging disposal recommendations

Additional information

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

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

packaging containing residues of or contaminated by dangerous substances. Dispose in a

safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

ADR	IMDG	IATA	RID	
14.1. UN number or ID numbe	4.1. UN number or ID number			
Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shipping nam	е			
Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard class(e	es)			
Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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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

 SDS Major/Minor
 None

 Issue date
 17/10/2022

 Revision date
 17/10/2022

 Supersedes
 18/12/2017

Section	Changed item	Change	Comments
			general update

Full text of H-statements:		
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H319	Causes serious eye irritation	
H332	Harmful if inhaled	
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled	
H335	May cause respiratory irritation	
H351	Suspected of causing cancer	
H373	May cause damage to organs through prolonged or repeated exposure	

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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.

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SECTION 1: Identification

1.1. GHS Product identifier

Product form Mixture

Trade name CFS-F FX, A / CP 660, A Product code BU Fire Protection

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture Firestop foam

1.4. Supplier's details

Supplier

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The Garden Center Level 3 No. 3-11B, Kawasan Komersial Cilandak Jl.

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Department issuing data specification sheet

Hilti AC

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1.5. Emergency phone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service

+41 44 251 51 51 (international)

+62 21 789 0850

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Skin sensitisation, Category 1 H317

Full text of H-statements: see section 16

Adverse physicochemical, human health and

environmental effects

May cause an allergic skin reaction.

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN)



Signal word (GHS UN)

Hazardous ingredients Hazard statements (GHS UN)

Precautionary statements (GHS UN)

Warning

Ethylenediamine, ethoxylated and propoxylated H317 - May cause an allergic skin reaction

P280 - Wear eye protection, protective clothing, protective gloves.

P302+P352 - IF ON SKIN: Wash with plenty of water.

2.3. Other hazards which do not result in classification

No additional information available

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Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to the United Nations GHS
Ethylenediamine, propoxylated	CAS-No.: 25214-63-5	2,5 - <5	Flammable liquids Not classified Serious eye damage/eye irritation, Category 2A, H319
Ethylenediamine, ethoxylated and propoxylated	CAS-No.: 26316-40-5	2,5 - <5	Flammable liquids Not classified Serious eye damage/eye irritation, Category 2A, H319 Skin sensitisation, Category 1, H317

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash

occurs: Get medical advice/attention.

First-aid measures after eye contact Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with

water for several minutes. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after skin contact May cause an allergic skin reaction.

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. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire Toxic fumes may be released. Carbon monoxide. Carbon dioxide.

5.3. Special protective actions for fire-fighters

Protection during firefighting Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment For further information refer to section 8: "Exposure controls/personal protection". Use

personal protective equipment as required.

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Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up Take up liquid spill into absorbent material.

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 Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear

personal protective equipment.

Hygiene measures Wash contaminated clothing before reuse. 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. Keep cool.

Storage temperature 5-25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls Ensure good ventilation of the work station.

Environmental exposure controls Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection Protective gloves. EN 374

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

Eye protection Safety glasses. EN 166. EN 170

Туре	Field of application	Characteristics	Standard
Safety glasses			EN 166, EN 170

Skin and body protection Wear suitable protective clothing
Respiratory protection Not necessary with sufficient ventilation

Device	Filter type	Condition	Standard
	Type A - High-boiling (>65 °C) organic compounds		

Personal protective equipment symbol(s)







8.4. Exposure limit values for the other components

No additional information available

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Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state Liquid Colour red. Not available Odour Not available Odour threshold Melting point Not applicable Freezing point Not available Not available Boiling point Not applicable Flammability Lower explosion limit Not available Upper explosion limit Not available Flash point Not applicable. Auto-ignition temperature Not available Decomposition temperature Not available Not determined рΗ Not available pH solution Viscosity, kinematic (calculated value) (40 °C) Not available Partition coefficient n-octanol/water (Log Kow) Not available Vapour pressure Not available Vapour pressure at 50 °C Not available Density ≈ 1,17 g/cm³ Relative density Not available Relative vapour density at 20 °C Not available Solubility Not available Not applicable Particle size

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)

Acute toxicity (dermal)

Acute toxicity (inhalation)

Not classified

Not classified

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Skin corrosion/irritation Not classified

pH: Not determined

Serious eye damage/irritation Not classified

pH: Not determined

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Not classified Carcinogenicity Not classified Not classified Reproductive toxicity STOT-single exposure Not classified STOT-repeated exposure Not classified Aspiration hazard Not classified

SECTION 12: Ecological information

12.1. Toxicity

The product is not considered harmful to aquatic organisms nor to cause long-term adverse Ecology - general

effects in the environment.

Hazardous to the aquatic environment, short-term

Hazardous to the aquatic environment, long-term

(chronic)

Not classified

Not classified

12.2. Persistence and degradability

CFS-F FX, A / CP 660, A	
Persistence and degradability	No additional information available

12.3. Bioaccumulative potential

CFS-F FX, A / CP 660, A	
Bioaccumulative potential	No additional information available

12.4. Mobility in soil

CFS-F FX, A / CP 660, A	
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

Product/Packaging disposal recommendations

Additional information

Dispose of contents/container in accordance with licensed collector's sorting instructions. Dispose in a safe manner in accordance with local/national regulations.

packaging containing residues of or contaminated by dangerous substances. Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

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ADR	IMDG	IATA	RID		
14.1. UN number or ID number					
Not applicable	Not applicable	Not applicable	Not applicable		
14.2. UN proper shipping name					
Not applicable	Not applicable	Not applicable	Not applicable		
14.3. Transport hazard class(e	es)				
Not applicable	Not applicable	Not applicable	Not applicable		
14.4. Packing group					
Not applicable	Not applicable	Not applicable	Not applicable		
14.5. Environmental hazards					
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. Maritime 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

 SDS Major/Minor
 None

 Issue date
 17/10/2022

 Revision date
 17/10/2022

 Supersedes
 19/12/2017

Section	Changed item	Change	Comments
			general update

Full text of H-statements:	
H317	May cause an allergic skin reaction

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Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

Full text of H-statements:	
H319	Causes serious eye irritation

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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.

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