



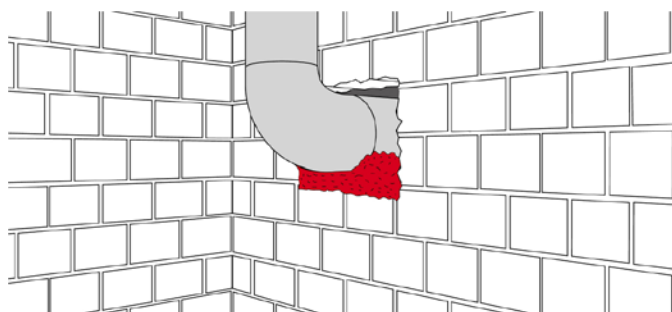
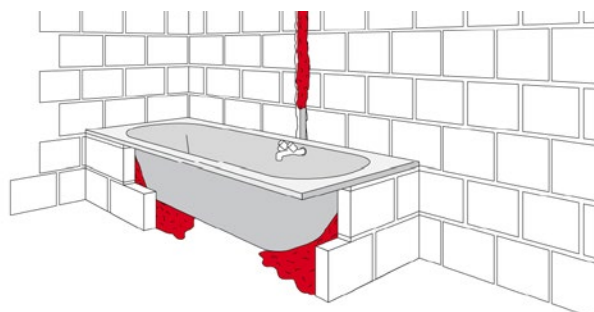
Hilti CF-F 750 Filling Foam Submission Folder

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Filling foam CF-F 750



APPLICATIONS

- Gaps and cracks
- Drywall voids
- Electrical voids
- Backfilling for sealants
- Holes left by concrete forms
- Mechanical gaps

ADVANTAGES

- Easy to use - finger dispensing
- High adhesive strength
- Restricts air infiltration
- High yield

Technical data

Chemical basis	Polyurethane
Content per can/cartridge	750 ml
Foam yield (up to)	34 l
Approx. cut time (at 23°C / 50% rel. humidity)	30 min
Min. time before loadbearing	Approx. 3-5 h
Temperature resistance range	-40 - 80 °C
Storage and transportation temperature range	5 - 25 °C
Thermal conductivity (λ approx. value)	0.04 W/mK
Shelf life ¹⁾	12 Months

¹⁾ at 77°F/25°C and 50% relative humidity; from date of manufacture



Order Now



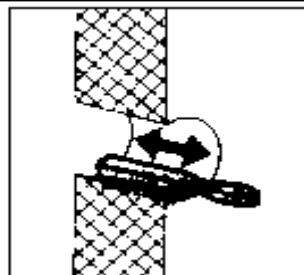
Ordering designation	Sales pack quantity	Item number
CF-F 750	1 pc	369811

Please visit Hilti website for the latest item numbers and related products

Hilti CF-F750 Single Component Filling Foam For Wall Tie Hole or Any Filling Applications

Method Statement:

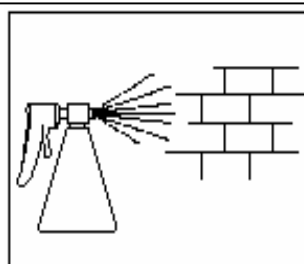
1. Clean the hole by using a brush if necessary.



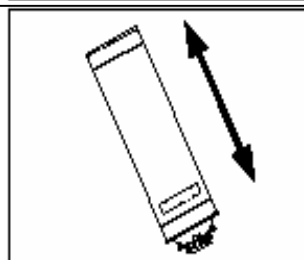
2. Close the end of the hole (by using wooden cork, foam board, etc) for better control if necessary.



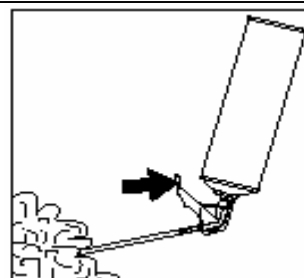
3. Use a fine water spray to pre-moisten the hole, however, avoid the formation of large water droplets on the surface.



4. Shake the can thoroughly before use (approx. 3 – 5 times).



5. Fit the finger adaptor and hold the can upside down (valve underneath) when applying the foam.



6. Start injecting the foam from the bottom of the hole to ensure complete filling. The foam should be moistened between layers when filling the holes.

7. Wait for the cure of the foam (Approx. 30minutes) and cut the excess material.

FUGRO TECHNICAL SERVICES LIMITED

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Materialab



Client Ref. : --
Report No. : 154693ST160085

Page 1 of 2

REPORT ON RESISTANCE TO AIR AND WATER PENETRATION OF EXPANDING FOAM

Information Supplied by Client

Client : Hilti (HK) Ltd.
Project : Testing of Expanding Foam
Sample Description : "HILTI" Filling Foam CF-F 750

Laboratory Information

Lab. Sample I.D. : ST160085/1-3
Address of Test Location : DD111, Lot 3028, Wang Toi Shan Village, Pat Heung, Kam Tin, N.T.
Date Received : 28 April 2016
Date Test Started : 26 May 2016
Date Test Completed : 30 May 2016
Test Size : 1200 x 1200 mm x 70mm thk concrete wall with six numbers of 20mmØ hole filled with "HILTI" filling foam CF-F750
Test Method : Ref. to BS 4315 : Part 2 : 1970, Method C
Test Procedure : The water flow in the spraying system during test was no less than 0.5 L/min. x 1.44m² = 0.72L/min.m².
At the same time wind pressure of 360Pa was applied to the test specimen.
The test was continued for 2 days with daily test period of 6 hours.
Inspection was carried out to identify the penetration of water on the test specimen after the completion of each test period.
Test Equipment : The test pressure was supplied by a centrifugal fan. The water pressure of the spraying system was supplied by a high-pressure water pump. The adjustment of water flow was controlled by a valve and a flow monitoring device.

Test Results

During the 1st test period :
After 6-hours of water spraying, no water penetration was observed on the expanding foam.

During the 2nd test period :
After 6-hours of water spraying, no water penetration was observed on the expanding foam.

Remarks :

- 1.) The test results relate only to the sample tested.
- 2.) The test sample, test configuration and sample after test are shown in the photographs on page 2 of this report.

Checked by : z Date : 30 JUN 2016 Certified by : Chan Chun Wai Ivan Date : 30 JUN 2016

Chan Chun Wai Ivan
Manager (Product Testing Laboratory)

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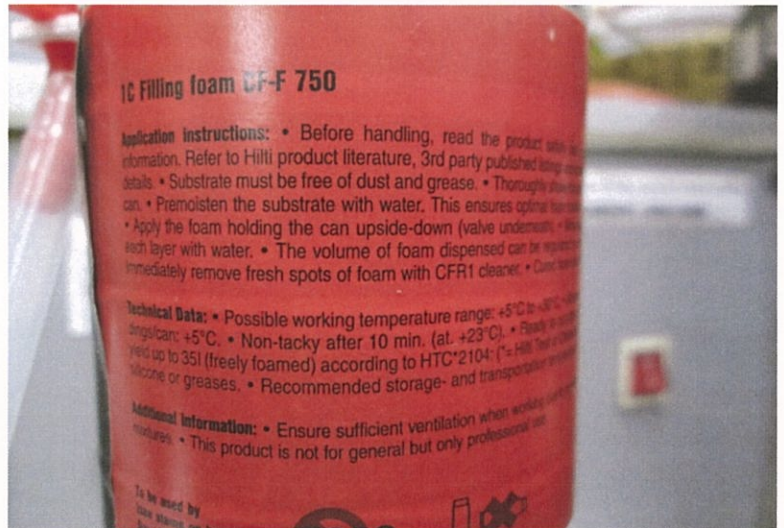
Client Ref. : --

Report No. : 154693ST160085

Page 2 of 2



Test Sample
Sample I.D.: ST160085/1-3



Test Sample
Sample I.D.: ST160085/1-3



Test Configuration
Sample I.D.: ST160085/1-3



Sample After Test
Sample I.D.: ST160085/1-3

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Client Ref. : --

Page 1 of 2

Report No. : 154693ST160085(2)

**REPORT ON INSPECTION OF THE ADHESIVE CONDITION OF
CEMENT (1:3:CEMENT:SAND) APPLIED TO THE EXPANDING FOAM****Information Supplied by Client**

Client : Hilti (HK) Ltd.
Project : Testing of Expanding Foam
Sample Description : "HILTI" Filling Foam CF-F 750

Laboratory Information

Lab. Sample I.D. : ST160085/1-3
Address of Test Location : DD111, Lot 3028, Wang Toi Shan Village, Pat Heung, Kam Tin, N.T.
Date Received : 28 April 2016
Date Test Started : 31 May 2016
Date Test Completed : 01 June 2016
Test Size : 1200 x 1200 mm x 70mm thk concrete wall with six numbers of 20mmØ hole
filled with "HILTI" filling foam CF-F750

Test Results

Lab. Sample I.D.	Test Time (day)	Observation
ST160085/1	1	No detachment of cement sand
ST160085/2	1	No detachment of cement sand
ST160085/3	1	No detachment of cement sand

Remarks :

- 1.) The test results relate only to the sample tested.
- 2.) The sample after test are shown in the photographs on page 2 of this report.

Checked by : i Date : 30 JUN 2016 Certified by : Chan Chun Wai Ivan Date : 30 JUN 2016

Chan Chun Wai Ivan
Manager (Product Testing Laboratory)

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Report No. : 154693ST160085(2)

Page 2 of 2



Sample After Test
Sample I.D.: ST160085/1-3

**** End of Report ****

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Attn. : To whom it may concern

Date : 1 April 2025
Ref. : 019/FP/SC/25

Subject : Country of Origin - Hilti CF-F 750 Filling Foam

Dear Sir / Madam,

Enclosed please find the information of Hilti CF-F 750 Filling Foam.

Brand Name : Hilti

Model Name : Hilti CF-F 750 Filling Foam

Manufacturer : Hilti Corporation

Address of Manufacturer : FL-9494, Principality of Liechtenstein.

Supplier : Hilti (Hong Kong) Ltd

Address of Supplier : 701-704, 7/F, Tower A, Manulife Financial Centre,
223 Wai Yip Street, Kwun Tong, Kowloon, Hong Kong

Country of Origin : Estonia

Should you have further questions, please do not hesitate to contact our Technical Representatives, Customer Service Hotline at 8228-8118, or email us at hksales@hilti.com.

Yours faithfully,

Spencer C. 

Spencer Cheung
Head of Product Leadership Strategy

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 830/2015

Date of issue: 14/03/2016

Revision date: 14/03/2016

Supersedes: 14/03/2016

Version: 4.2

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form	Mixture
Trade name	CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW
Product code	BU Chemicals
Vaporizer	Aerosol

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Industrial/Professional use spec	For professional use only
----------------------------------	---------------------------

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Hilti (Gt. Britain) Ltd.
1 Trafford Wharf Road
M17 1BY Manchester - Great Britain
T +44 161 886 1000
0800 886 100 Toll-free - F +44 161 872 1240
gbsales@hilti.com

Supplier

Hilti (Gt. Britain) Ltd.
1 Trafford Wharf Road
M17 1BY Manchester - Great Britain
T +44 161 886 1000
0800 886 100 Toll-free - F +44 161 872 1240
gbsales@hilti.com

Department issuing data specification sheet

Hilti AG
Feldkircherstraße 100
9494 Schaan - Liechtenstein
T +423 234 2111
chemicals.hse@hilti.com

1.4. Emergency telephone number

Emergency number	Schweizerisches Toxikologisches Informationszentrum – 24h Service +41 44 251 51 51 (international) +44 161 886 1000 0800 886 100 Toll-free
------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol 1	H222;H229
Acute Tox. 4 (Inhalation)	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Resp. Sens. 1	H334

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 830/2015

Skin Sens. 1	H317
Carc. 2	H351
Lact.	H362
STOT SE 3	H335
STOT RE 2	H373
Aquatic Chronic 4	H413

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

Danger

Hazardous ingredients

4,4'-diphenylmethanediisocyanate, isomeres and homologues, Alkanes, C14-17, chloro (MCCP, Medium chained chlorinated paraffins)

Hazard statements (CLP)

H222 - Extremely flammable aerosol
H229 - Pressurised container: May burst if heated
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
H362 - May cause harm to breast-fed children
H373 - May cause damage to organs through prolonged or repeated exposure
H413 - May cause long lasting harmful effects to aquatic life
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P260 - Do not breathe spray
P280 - Wear protective gloves, protective clothing, eye protection
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

Precautionary statements (CLP)

2.3. Other hazards

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. Suspected of causing cancer. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure. Harmful if inhaled. 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. May cause long lasting harmful effects to aquatic life. May form flammable/explosive vapour-air mixture.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 830/2015

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
4,4'-diphenylmethanediisocyanate, isomeres and homologues	(CAS No) 9016-87-9	40 - 60	Carc. 2, H351 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317
Alkanes, C14-17, chloro (MCCP, Medium chained chlorinated paraffins)	(CAS No) 85535-85-9 (EC no) 287-477-0 (EC index no) 602-095-00-X (REACH-no) 01-2119519269-33	10 - 25	Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Dimethyl ether	(CAS No) 115-10-6 (EC no) 204-065-8 (EC index no) 603-019-00-8	5 - 10	Flam. Gas 1, H220 Compressed gas, H280
Propane	(CAS No) 74-98-6 (EC no) 200-827-9 (EC index no) 601-003-00-5	5 - 10	Flam. Gas 1, H220 Compressed gas, H280
Isobutane	(CAS No) 75-28-5 (EC no) 200-857-2 (EC index no) 601-004-00-0	5 - 10	Flam. Gas 1, H220 Compressed gas, H280
Butane	(CAS No) 106-97-8 (EC no) 203-448-7 (EC index no) 601-004-00-0 (REACH-no) 01-2119474691-32	5 - 10	Flam. Gas 1, H220 Compressed gas, H280

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

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.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/injuries after skin contact	Irritation. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	Eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 830/2015

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Fire hazard Extremely flammable aerosol.
Explosion hazard Pressurised container: May burst if heated.
Hazardous decomposition products in case of fire Toxic fumes may be released. Vapours may form explosive mixture with air.

5.3. Advice for firefighters

Protection during firefighting Do not attempt to take action without suitable protective equipment. 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. No open flames, no sparks, and no smoking. Do not breathe spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

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

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Recover mechanically the product.
Other information Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact during pregnancy/while nursing. Do not breathe spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. May form flammable/explosive vapour-air mixture.

Hygiene measures Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 830/2015

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep cool.
Storage temperature	5 - 25 °C
Heat and ignition sources	Keep away from heat and direct sunlight. Keep away from ignition sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)		
United Kingdom	WEL TWA (mg/m³)	0.02 mg/m³
United Kingdom	WEL STEL (mg/m³)	0.07 mg/m³
Dimethyl ether (115-10-6)		
EU	Local name	Dimethylether
EU	IOELV TWA (mg/m³)	1920 mg/m³
EU	IOELV TWA (ppm)	1000 ppm
United Kingdom	Local name	Dimethyl ether
United Kingdom	WEL TWA (mg/m³)	766 mg/m³
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m³)	958 mg/m³
United Kingdom	WEL STEL (ppm)	500 ppm
Butane (106-97-8)		
United Kingdom	Local name	Butane
United Kingdom	WEL TWA (mg/m³)	1450 mg/m³
United Kingdom	WEL TWA (ppm)	600 ppm
United Kingdom	WEL STEL (mg/m³)	1810 mg/m³
United Kingdom	WEL STEL (ppm)	750 ppm
United Kingdom	Remark (WEL)	Carc. (only applies if Butane contains more than 0.1% of buta-1,3-diene)

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW		
DNEL/DMEL (Workers)		
Acute - systemic effects, dermal	≈ mg/kg bodyweight/day	

8.2. Exposure controls

Appropriate engineering controls	Ensure good ventilation of the work station.
Personal protective equipment	Gloves. Protective clothing. Safety glasses.
Hand protection	Protective gloves

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

Eye protection

Type	Use	Characteristics	Standard
Safety glasses			EN 166, EN 171

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 830/2015

Skin and body protection

Wear suitable protective clothing

Respiratory protection

In case of inadequate ventilation wear respiratory protection

Device	Filter type	Condition	Standard
Aerosol mask	Filter AX (brown)		



Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Aerosol.
Colour	No data available
Odour	No data available
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	Not applicable
Freezing point	No data available
Boiling point	< 35 °C
Flash point	< 0 °C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Extremely flammable aerosol
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	< 1.3 g/cm³
Solubility	No data available
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	Pressurised container: May burst if heated.
Oxidising properties	No data available
Explosive limits	No data available

9.2. Other information

No additional information available

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 830/2015

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Heating may cause a fire or explosion.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Inhalation: Harmful if inhaled.

ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h

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

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

Dimethyl ether (115-10-6)

LC50 inhalation rat (mg/l)	309 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	164000 ppm/4h (Rat; Literature study)

Isobutane (75-28-5)

LC50 inhalation rat (mg/l)	> 50 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	11000 ppm

Propane (74-98-6)

LC50 inhalation rat (mg/l)	513 mg/l/4h (Rat; Literature)
LC50 inhalation rat (ppm)	280000 ppm/4h (Rat; Literature)

Alkanes, C14-17, chloro (MCCP, Medium chained chlorinated paraffins) (85535-85-9)

LD50 oral rat	> 10 (Rat; Other; Experimental value; >4000; Rat; Other; Experimental value)
LD50 dermal rat	> 2800 mg/kg bodyweight (Rat; Read-across)
LD50 dermal rabbit	> 13500 mg/kg bodyweight (Rabbit; Read-across)

Butane (106-97-8)

LC50 inhalation rat (mg/l)	658 mg/l/4h (Rat; Literature)
LC50 inhalation rat (ppm)	276000 ppm/4h (Rat; Literature)

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

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 830/2015

Carcinogenicity	Suspected of causing cancer.
Reproductive toxicity	May cause harm to breast-fed children.
Specific target organ toxicity (single exposure)	May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW	
Vaporizer	Aerosol

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general May cause long lasting harmful effects to aquatic life.

4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)	
LC50 other aquatic organisms 1	> 1000 mg/l (96 h)
Threshold limit other aquatic organisms 1	> 1000 mg/l (96 h)
Dimethyl ether (115-10-6)	
LC50 fish 1	3082 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 1	756.2 mg/l (48 h; Daphnia magna)
LC50 fish 2	> 1000 mg/l (96 h; Pisces)
EC50 Daphnia 2	> 4400 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	154.9 mg/l (96 h; Algae)
Isobutane (75-28-5)	
Threshold limit algae 1	1.07 mg/l (Algae)
Threshold limit algae 2	7.15 mg/l (72 h; Algae)
Propane (74-98-6)	
TLM fish 1	17.8 - 19.7,96 h; Pimephales promelas
Threshold limit algae 1	1.45 - 4.53,72 h; Algae
Threshold limit algae 2	8 mg/l (72 h; Algae)
Alkanes, C14-17, chloro (MCCP, Medium chained chlorinated paraffins) (85535-85-9)	
LC50 fish 1	> 10000 mg/l (96 h; Alburnus alburnus)
LC50 fish 2	> 500 mg/l (48 h; Leuciscus idus)
Butane (106-97-8)	
TLM fish 1	1000 mg/l (96 h; Pisces)
Threshold limit other aquatic organisms 1	0.6 - 0.9,504 h; Daphnia magna
Threshold limit algae 1	0.88 - 1.76,Algae

12.2. Persistence and degradability

4,4'-diphenylmethanediisocyanate, isomeres and homologues (9016-87-9)	
Persistence and degradability	Not readily biodegradable in water. Hydrolysis in water. No (test)data on mobility of the substance available.
Dimethyl ether (115-10-6)	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. Not applicable (gas).
Isobutane (75-28-5)	
Persistence and degradability	Inherently biodegradable. Biodegradable in the soil. Not applicable (gas).
Propane (74-98-6)	
Persistence and degradability	Readily biodegradable in water. Not applicable (gas). Photodegradation in the air.
Alkanes, C14-17, chloro (MCCP, Medium chained chlorinated paraffins) (85535-85-9)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Not readily biodegradable in the soil. Adsorbs into the soil.

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

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Butane (106-97-8)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

4,4'-diphenylmethanediisocyanate, isomers and homologues (9016-87-9)	
BCF fish 1	1 (Pisces)
Bioaccumulative potential	Not bioaccumulative.
Dimethyl ether (115-10-6)	
Log Pow	0.10 (Experimental value; 0.07; QSAR; KOWWIN; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Isobutane (75-28-5)	
BCF fish 1	20 - 52 (Pisces; QSAR)
BCF other aquatic organisms 1	20 - 52 (Daphnia magna; QSAR)
Log Pow	2.8 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
Propane (74-98-6)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Alkanes, C14-17, chloro (MCCP, Medium chained chlorinated paraffins) (85535-85-9)	
Log Pow	> 5 (Literature)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
Butane (106-97-8)	
Log Pow	2.89 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

Dimethyl ether (115-10-6)	
Surface tension	0.020 N/m (-40 °C)
Isobutane (75-28-5)	
Surface tension	0.014 N/m (-10 °C)
Propane (74-98-6)	
Surface tension	0.016 N/m (-47 °C)
Butane (106-97-8)	
Surface tension	< 0.1 N/m (0 °C)

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations	After curing, the product can be disposed of with household waste.
European List of Waste (LoW) code	08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances 08 05 01* - waste isocyanates

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

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SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

Other information No supplementary information available

14.1. UN number

UN-No. (ADR)	1950
UN-No. (IMDG)	1950
UN-No. (IATA)	1950
UN-No. (ADN)	1950
UN-No. (RID)	1950

14.2. UN proper shipping name

Proper Shipping Name (ADR)	AEROSOLS
Proper Shipping Name (IMDG)	AEROSOLS
Proper Shipping Name (IATA)	Aerosols, flammable
Proper Shipping Name (ADN)	AEROSOLS
Proper Shipping Name (RID)	AEROSOLS
Transport document description (ADR)	UN 1950 AEROSOLS, 2.1, (D)
Transport document description (IMDG)	UN 1950 AEROSOLS, 2.1

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	2.1
Danger labels (ADR)	2.1



IMDG

Transport hazard class(es) (IMDG)	2.1
Danger labels (IMDG)	2.1



IATA

Transport hazard class(es) (IATA)	2.1
Hazard labels (IATA)	2.1

CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

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ADN

Transport hazard class(es) (ADN)	2.1
Danger labels (ADN)	2.1



RID

Transport hazard class(es) (RID)	2.1
Danger labels (RID)	2.1



14.4. Packing group

Packing group (ADR)	Not applicable
Packing group (IMDG)	Not applicable
Packing group (IATA)	Not applicable
Packing group (ADN)	Not applicable
Packing group (RID)	Not applicable

14.5. Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	5F
Special provisions (ADR)	190, 327, 344, 625
Limited quantities (ADR)	1I
Packing instructions (ADR)	P207, LP02
Mixed packing provisions (ADR)	MP9
Tunnel restriction code (ADR)	D

- Transport by sea

Special provisions (IMDG)	63, 190, 277, 327, 344, 959
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CF 710; CF-F 750; CF-F 750 GV; CF-F 650 B; CF-FW 500; CF-I 50 ECO; CF-I ECO+; CF-I ECO GV; CF-I 750; CF-I 750/G; CF-ISO 750/P; CF-I XTW

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Limited quantities (IMDG)	SP277
Packing instructions (IMDG)	P207, LP02
EmS-No. (Fire)	F-D
EmS-No. (Spillage)	S-U
Stowage category (IMDG)	None
Stowage and segregation (IMDG)	Protected from sources of heat For AEROSOLS with a maximum capacity of 1 litre: Category A. Segregation as for class 9 but 'Separated from' class 1 except division 1.4. For AEROSOLS with a capacity above 1 litre: Category B. Segregation as for the appropriate sub-division of class 2. For WASTE AEROSOLS: Category C. Clear of living quarters. Segregation as for the appropriate sub-division of class 2.
MFAG-No	126
- Air transport	
PCA packing instructions (IATA)	203
PCA max net quantity (IATA)	75kg
Special provisions (IATA)	A145, A167, A802
- Inland waterway transport	
Classification code (ADN)	5F
Special provisions (ADN)	19, 327, 344, 625
Limited quantities (ADN)	1 L
Excepted quantities (ADN)	E0
Equipment required (ADN)	PP, EX, A
Ventilation (ADN)	VE01, VE04
Number of blue cones/lights (ADN)	1
Carriage prohibited (ADN)	No
Not subject to ADN	No
- Rail transport	
Special provisions (RID)	190, 327, 344, 625
Limited quantities (RID)	1L
Packing instructions (RID)	P207, LP02
Carriage prohibited (RID)	No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

Switzerland

Swiss CPID No 254761-78 / 360671-23

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aerosol 1	Aerosol, Category 1
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Carc. 2	Carcinogenicity, Category 2
Compressed gas	Gases under pressure : Compressed gas
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1	Flammable gases, Category 1
Lact.	Reproductive toxicity, Additional category, Effects on or via lactation
Resp. Sens. 1	Sensitisation — Respiratory, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H280	Contains gas under pressure; may explode if heated
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
H362	May cause harm to breast-fed children
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

SDS_EU_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

CF-F 750 FILLING FOAM