All Weather High Build CFP-SP AWHB_component B

Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR)
Issue date: 10/27/2025 Revision date: 10/27/2025 Supersedes: 11/28/2024 Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Product form	Mixture
Product name	All Weather High Build CFP-SP AWHB_component 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

No additional information available

1.4. Supplier's details

Supplier
Hilti (Canada) Corp.
2201 Bristol Circle
Suite 700
CA L6H 0J8 Oakville, Ontario
Canada
T +1905 8139200
1-800-363-4458 toll free, F +1 905 813 9009
ca-sales@hilti.com

Department issuing data specification sheet
Hilti AG
Feldkircher Strasse
FL 9494 Schaan
Liechtenstein
T +423 234 2111
product.compliance-fire.protection@hilti.com

1.5. Emergency telephone number

Emergency number: Emergency CONTACT (24-Hour-Number)
GBK/Infotrac ID 101022
(USA domestic) 1 800 535 5053
or international (001) 352 323 3500

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

Flammable liquids, Category 3	H226	Flammable liquid and vapour
Skin corrosion/irritation, Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage
Specific target organ toxicity, Repeated exposure, Category 2	H373	May cause damage to organs through prolonged or repeated exposure.

Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA)

Signal word (GHS CA): Danger

Hazard statements (GHS CA):
H226 - Flammable liquid and vapour
H315 - Causes skin irritation

Precautionary statements (GHS CA)	H318 - Causes serious eye damage H373 - May cause damage to organs through prolonged or repeated exposure. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe dust, fume, gas, mist, vapours, spray. P280 - Wear eye protection, protective clothing, protective gloves. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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. P308+P313 - IF exposed or concerned: Get medical advice or attention. P337+P313 - If eye irritation persists: Get medical advice or attention.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
Xylene	xylene AMSCO / benzene, dimethyl- / byk 310 / dimethylbenzene, mixture of isomers / dimethylbenzol, mixture of isomers / formula No 00651 / mebon thinner type 2 / methyltoluene, mixture of isomers / mixed xylenes / paint / solvent xylene / violet 3 / xylene / xylene nitration grade ASTM D 843-80 / xylene, mixed isomers, pure / xylol / xylol, mixture of isomers	CAS-No.: 1330-20-7	5 – 25	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
3-aminopropyltrimethoxysilane	(3-aminopropyl)trimethoxysilane / (3-aminopropyl)-trimethoxysilane / 1-Propanamine, 3-(trimethoxysilyl)- / 3-(trimethoxysilyl)propylamine / gamma-aminopropyltrimethoxysilane	CAS-No.: 13822-56-5	5 – 25	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Dam. 1, H318
Ethylbenzene	ethylbenzene benzene, ethyl- / ethylbenzene / ethylbenzene, anhydrous / phenylethane	CAS-No.: 100-41-4	1 – 10	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
fiberglass	glass, oxide, chemicals / soda lime borosilicate glass	CAS-No.: 65997-17-3	1 – 2.5	Not classified

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact: Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of water/…. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see supplemental first aid instruction on this label).

First-aid measures after eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

First-aid measures after ingestion: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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).

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact: Causes skin irritation.

Symptoms/effects after eye contact: Causes serious eye damage.

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

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

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

5.2. Specific hazards arising from the hazardous product

Fire hazard	Flammable liquid and vapour.
Explosion hazard	May form flammable/explosive vapour-air mixture.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

See Section 8,Exposure controls and personal protection

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	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. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools.
Hygiene measures	Wash hands, forearms and face thoroughly after handling.
Additional hazards when processed	Handle empty containers with care because residual vapours are flammable.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
Storage conditions	Keep only in the original container in a cool, well ventilated place away from : Keep container tightly closed.
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight. Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

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

Hand protection:				
Wear protective gloves.				
Type	**Material**	**Permeation**	**Thickness (mm)**	**Penetration**
Protective gloves	Polyvinylalcohol (PVA), Viton® II, Nitrile rubber (NBR)		>0,5mm	

Eye protection:
Chemical goggles or safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:		
Wear appropriate mask. In order to avoid inhalation of mist/vapour, all spraying must be done wearing adequate respirator		
Device	**Filter type**	**Condition**
	Type A - High-boiling (>65 °C) organic compounds, Type P2	

Personal protective equipment symbol(s):

Other information:
Do not breathe dust/fume/gas/mist/vapours/spray.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Viscous.
Colour	Black
Odour	characteristic
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Relative evaporation rate (ether=1)	No data available
Melting point	No data available
Freezing point	No data available

Boiling point	> 100 °C (>212°F)
Flash point	51 °C (123.8°F)
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative vapour density at 20°C	No data available
Relative density	No data available
Density	1 g/cm³ (8.35 lbs/gal)
Solubility	insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	No data available
Explosive properties	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosive limits	No data available

9.2. Other information

VOC content	143 g/l A+B, ASTM D 2369 – 20, SCAQMD 1113 / fire-proofing coating (llimit 150g/L)
Additional information	The product is exempted from shipping as Class 3 Flammable Liquid according to the regulations. Alignin with this, the GHS02 pictogram and H226 classification are allowed to be exclude in the EU/EEA, according to EU-CLP Regulations (EC) No 1272/2008, 2.6.4.5.

SECTION 10: Stability and reactivity

Reactivity	No additional information available
Chemical stability	Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions	Not established.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.
Incompatible materials	Strong acids. Strong bases.
Hazardous decomposition products	Carbon monoxide. Carbon dioxide. Nitrogen oxides. Methanol.
Hardening time:	No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	3500 mg/kg
LD50 dermal rabbit	15433 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LD50 dermal	15400 mg/kg
LC50 Inhalation - Rat	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
LC50 Inhalation - Rat (Dust/Mist)	27.5 mg/l/4h

Xylene (1330-20-7)	
LD50 oral rat	> 4000 mg/kg bodyweight (Equivalent or similar to EU Method B.1, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 oral	3500 mg/kg

Xylene (1330-20-7)	
LD50 dermal rabbit	> 4200 mg/kg bodyweight (4 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))
LD50 dermal	1700 mg/kg
LC50 Inhalation - Rat	29.09 mg/l (Equivalent or similar to EU Method B.2, 4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
LC50 Inhalation - Rat (Vapours)	27.57 mg/l/4h

3-aminopropyltrimethoxysilane (13822-56-5)	
LD50 oral rat	3030 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	11458 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified

Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans

Xylene (1330-20-7)	
IARC group	3 - Not classifiable

Reproductive toxicity	Not classified
STOT-single exposure	Not classified

Xylene (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.

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

Ethylbenzene (100-41-4)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Xylene (1330-20-7)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.
Symptoms/effects after skin contact	Causes skin irritation.
Symptoms/effects after eye contact	Causes serious eye damage.

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute)	Not classified
Hazardous to the aquatic environment, long–term (chronic)	Not classified.

Ethylbenzene (100-41-4)	
LC50 - Fish [1]	5.1 mg/l (ASTM, 96 h, Menidia menidia, Flow-through system, Salt water, Experimental value, Lethal)
LC50 - Fish [2]	4.2 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 - Crustacea [1]	1.8 – 2.4 mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 - Crustacea [2]	75 mg/l (48 h; Daphnia magna)
EC50 - Other aquatic organisms [1]	48 mg/l (72 h; Scenedesmus subspicatus)
EC50 72h - Algae [1]	5.4 mg/l (US EPA, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)
TLM - Fish [1]	29 ppm (96 h; Lepomis macrochirus; Hard water)
TLM - Fish [2]	42.3 mg/l (96 h; Pimephales promelas)
TLM - Other aquatic organisms [1]	10 - 100,96 h
Threshold limit - Algae [1]	> 160 mg/l (192 h; Scenedesmus quadricauda; Toxicity test)
Threshold limit - Algae [2]	33 mg/l (192 h; Microcystis aeruginosa; Toxicity test)

Xylene (1330-20-7)	
LC50 - Fish [1]	2.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static renewal, Fresh water, Read-across, Lethal)
EC50 - Crustacea [1]	7.4 mg/l
ErC50 algae	4.4 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

3-aminopropyltrimethoxysilane (13822-56-5)	
LC50 - Fish [1]	≥ 934 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Read-across, GLP)
EC50 - Crustacea [1]	331 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
EC50 72h - Algae [1]	> 1000 mg/l (EU Method C.3, Desmodesmus subspicatus, Static system, Fresh water, Read-across, GLP)

12.2. Persistence and degradability

All Weather High Build CFP-SP AWHB_component B	
Persistence and degradability	Not established.

Ethylbenzene (100-41-4)	
Not rapidly degradable	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.44 g O_2/g substance
Chemical oxygen demand (COD)	2.1 g O_2/g substance
ThOD	3.17 g O_2/g substance
BOD (% of ThOD)	(20 day(s)) 45.4

fiberglass (65997-17-3)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Xylene (1330-20-7)	
Not rapidly degradable	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.

3-aminopropyltrimethoxysilane (13822-56-5)	
Not rapidly degradable	
Persistence and degradability	Not readily biodegradable in water.

12.3. Bioaccumulative potential

All Weather High Build CFP-SP AWHB_component B	
Bioaccumulative potential	Not established.

Ethylbenzene (100-41-4)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF - Fish [1]	1 (6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)
BCF - Fish [2]	15 – 79 (Carassius auratus)
BCF - Other aquatic organisms [1]	4.68 (Lamellibranchiata)
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)

fiberglass (65997-17-3)	
Bioaccumulative potential	No bioaccumulation data available.

Xylene (1330-20-7)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF - Fish [1]	7.2 – 26 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across)
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)

3-aminopropyltrimethoxysilane (13822-56-5)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Partition coefficient n-octanol/water (Log Pow)	0.2 (QSAR, KOWWIN, 20 °C)

12.4. Mobility in soil

Ethylbenzene (100-41-4)	
Surface tension	71.2 mN/m (23 °C, 0.058 g/l, EU Method A.5: Surface tension)
Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.

Ethylbenzene (100-41-4)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)

fiberglass (65997-17-3)	
Ecology - soil	No (test)data on mobility of the substance available.

Xylene (1330-20-7)	
Surface tension	28.01 – 29.76 mN/m (25 °C)
Ecology - soil	Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.7 (log Koc, Equivalent or similar to OECD 121, Read-across)

3-aminopropyltrimethoxysilane (13822-56-5)	
Surface tension	No data available in the literature
Ecology - soil	Highly mobile in soil.
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	-0.6 (log Koc, QSAR)

12.5. Other adverse effects

Ozone: Not classified
Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

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.
Additional information: Handle empty containers with care because residual vapours are flammable.
Ecological waste information: Avoid release to the environment.

SECTION 14: Transport information

Exemption from shipping as Class 3 Flammable Liquid:
- For shipping by road ADR 2.2.3.1.1. (Note 1) and USA CFR Title 49 §173.120 (3)
- For shipping by sea IMDG Code 2.3.1.3
- For shipping by air IATA 3.3.1.3.

In accordance with TDG / DOT / IMDG / IATA

TDG	DOT	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not regulated	Not regulated	Not regulated	Not regulated

TDG	DOT	IMDG	IATA
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

14.6. Special precautions for user

TDG
Not regulated

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

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

Not applicable

SECTION 15: Regulatory information

15.1. National regulations

All Weather High Build CFP-SP AWHB_component B	
Canada DSL & NDSL Flags	All components of this product are listed, or excluded from listing, on the Canadian Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Ethylbenzene (100-41-4)
Listed on the Canadian DSL (Domestic Substances List)

fiberglass (65997-17-3)
Listed on the Canadian DSL (Domestic Substances List)

Xylene (1330-20-7)
Listed on the Canadian DSL (Domestic Substances List)

3-aminopropyltrimethoxysilane (13822-56-5)
Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: Other information

All Weather High Build CFP-SP AWHB_component B

Safety Data Sheet

according to SOR/2015-17, Hazardous Products Regulations (HPR)

Issue date	10-27-2025
Revision date	10-27-2025
Supersedes	11-28-2024

Indication of changes			
Section	**Changed item**	**Change**	**Comments**
			SOR/2015-17, Hazardous Products Regulations (HPR)

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	Exemption from shipping as Class 3 Flammable Liquid: □ For shipping by road ADR 2.2.3.1.1. (Note 1) and USA CFR Title 49 §173.120 (3) □ For shipping by sea IMDG Code 2.3.1.3 □ For shipping by air IATA 3.3.1.3.

Full text of hazard classes and H-statements:	
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects

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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.