

CFS-SP WB (from July 2025)

Safety Data Sheet

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

Issue date: 11/03/2025

Revision date: 11/03/2025

Supersedes: 09/30/2025

Version: 2.0

SECTION 1: Identification

1.1. Product identifier

Product form	Mixture
Trade name	CFS-SP WB (from July 2025)
Type of product	Sealants
Product code	BU Fire Protection



Product group	Trade product
---------------	---------------

1.2. Other means of identification

Other means of identification	The content of this document applies exclusively to products with an expiration date on or after July 1st, 2026
-------------------------------	---

1.3. Recommended use of the chemical and restrictions on use

Recommended use	For professional users only
-----------------	-----------------------------

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 100
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)

Reproductive toxicity, Category 2	H361	Suspected of damaging fertility or the unborn child
Full text of H-statements: see section 16		

CFS-SP WB (from July 2025)

Safety Data Sheet

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

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA)



Signal word (GHS CA)

Warning

Hazard statements (GHS CA)

H361 - Suspected of damaging fertility or the unborn child

Precautionary statements (GHS CA)

P280 - Wear eye protection, protective gloves.

P308+P313 - IF exposed or concerned: Get medical advice or attention.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

CFS-SP WB (from July 2025)

Safety Data Sheet

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

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
diisononyl phthalate	1,2-benzenedicarboxylic acid, diisononyl ester / baylectrol 4200 / bisoflex DINP / di-"isononyl" phthalate / diisononyl-1,2-benzenedicarboxylate / dinonylphthalate / DINP (=diisononyl phthalate) / DINP2 / DINP3 / ENJ 2065 / FP-DINP(A) / FP-DINP(C) / isononyl alcohol, phthalate (2:1) / jayflex diisononylphthalate / jayflex diisononylphthalate-s / jayflex DINP / jayflex DINP-E / jayflex DINP-S / palatinol DINP / palatinol DN / palatinol N / phthalic acid diisonyl ester / phthalisocizer DINP / sansocizer DINP / vestinol NN / vinylcizer 90 / witamol 150	CAS-No.: 28553-12-0	5 – 10	Not classified
hexaboron dizinc undecaoxide	Hexaboron dizinc undecaoxide boron zinc oxide (=dodecaboron tetrazinc docosaoxide) / hexaboron dizinc undecaoxide	CAS-No.: 12767-90-7	1 - 5	Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

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

CFS-SP WB (from July 2025)

Safety Data Sheet

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	Get medical advice/attention if you feel unwell. Allow affected person to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	Get medical advice/attention if you feel unwell. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
First-aid measures general	Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.

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

Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use.
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	Water spray. Dry powder. Foam. Carbon dioxide. Sand.
Unsuitable extinguishing media	Do not use a heavy water stream.

5.2. Specific hazards arising from the hazardous product

Hazardous decomposition products in case of fire	Carbon dioxide. Carbon monoxide.
--	----------------------------------

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	Self-contained breathing apparatus. Complete protective clothing. 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

No additional information available

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up	Mechanically recover the product. On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.
-------------------------	--

For further information refer to section 13, See Section 8, Exposure controls and personal protection

CFS-SP WB (from July 2025)

Safety Data Sheet

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling

Wear personal protective equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures

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

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a dry place. Keep container closed when not in use.

Incompatible products

Strong bases. Strong acids.

Incompatible materials

Sources of ignition. Direct sunlight.

Storage temperature

1.5 – 35 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Environmental exposure controls

Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Protective clothing. Safety glasses. Gloves. Avoid all unnecessary exposure.

Hand protection:				
Protective gloves. ISO 374-1. Wear protective gloves.				
Type	Material	Permeation	Thickness (mm)	Penetration
	Nitrile rubber (NBR)	1 (> 10 minutes)	>0.4	

Eye protection:		
Safety glasses. Chemical goggles or safety glasses		
Type	Field of application	Characteristics
Safety glasses		

Skin and body protection:	
Wear suitable protective clothing	

Respiratory protection:	
Not necessary with sufficient ventilation. Wear appropriate mask	

CFS-SP WB (from July 2025)

Safety Data Sheet

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

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Pasty.
Colour	white red Grey
Odour	characteristic
Odour threshold	Not determined
pH	≈ 8.6
Relative evaporation rate (butylacetate=1)	No data available
Relative evaporation rate (ether=1)	No data available
Molecular mass	Not determined
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable, Non flammable.
Vapour pressure	No data available
Relative vapour density at 20°C	No data available
Relative density	No data available
Density	1.28 kg/l
Solubility	No data available
Partition coefficient n-octanol/water (Log Pow)	No data available
Viscosity, kinematic	No data available
Explosive limits	No data available

9.2. Other information

VOC content	7.9 mg/l ASTM D 2369-20, SCAQMD 1113 / Fire-Proofing Coatings (Limit Value 150g/L)
-------------	--

SECTION 10: Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal conditions. Not established.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use. Not established.
Conditions to avoid	None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.
Incompatible materials	Strong acids. Strong bases.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.
Hardening time:	No additional information available

CFS-SP WB (from July 2025)

Safety Data Sheet

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

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

diisononyl phthalate (28553-12-0)	
LD50 oral rat	> 10000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 oral	50000 mg/kg
LD50 dermal rabbit	> 3160 mg/kg bodyweight (24 h, Rabbit, Female, Experimental value, Dermal, 14 day(s))
LD50 dermal	3160 mg/kg
LC50 Inhalation - Rat	> 4.4 mg/l air (4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 017 day(s))
hexaboron dizinc undecaoxide (12767-90-7)	
LD50 oral rat	> 5000 mg/kg bodyweight (FIFRA (40 CFR), Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Skin, 14 day(s))
LC50 Inhalation - Rat	> 4.95 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value of similar product, Inhalation (dust), 14 day(s))

Skin corrosion/irritation	Not classified pH: ≈ 8.6
Serious eye damage/irritation	Not classified pH: ≈ 8.6
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Suspected of damaging fertility or the unborn child.
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.
Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use.

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

CFS-SP WB (from July 2025)

Safety Data Sheet

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

diisononyl phthalate (28553-12-0)	
LC50 - Fish [1]	> 102 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	> 74 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 88 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

hexaboron dizinc undecaoxide (12767-90-7)	
LC50 - Fish [1]	79.7 mg/l Freshwater fish
LC50 - Fish [2]	74 mg/l Marine water fish

12.2. Persistence and degradability

CFS-SP WB (from July 2025)	
Persistence and degradability	Not established.

diisononyl phthalate (28553-12-0)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.

hexaboron dizinc undecaoxide (12767-90-7)	
Not rapidly degradable	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

CFS-SP WB (from July 2025)	
Bioaccumulative potential	Not established.

diisononyl phthalate (28553-12-0)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
BCF - Fish [1]	< 3 l/kg (14 day(s), Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	8.8 – 9.7 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)

hexaboron dizinc undecaoxide (12767-90-7)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

diisononyl phthalate (28553-12-0)	
Surface tension	30.7 mN/m (20 °C, 100 vol %, Wilhelmy plate method: surface tension)
Ecology - soil	Adsorbs into the soil.



CFS-SP WB (from July 2025)

Safety Data Sheet

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

diisononyl phthalate (28553-12-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	6 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
hexaboron dizinc undecaoxide (12767-90-7)	
Ecology - soil	Adsorbs into the soil.

12.5. Other adverse effects

Ozone	Not classified
Other information	Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations.
Product/Packaging disposal recommendations	Recycle the material as far as possible.
Ecological waste information	Avoid release to the environment.

SECTION 14: Transport information

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
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



CFS-SP WB (from July 2025)

Safety Data Sheet

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

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

CFS-SP WB (from July 2025)	
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)

diisononyl phthalate (28553-12-0)

Listed on the Canadian DSL (Domestic Substances List)

hexaboron dizinc undecaoxide (12767-90-7)

Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: Other information

SDS Major/Minor	None
Issue date	11-03-2025
Revision date	11-03-2025
Supersedes	09-30-2025

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	None.
-------------------	-------

Full text of hazard classes and H-statements:	
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

SDS_CA_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.