

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 11/07/2017 Revision date: 11/07/2017 Supersedes: 12/12/2016

Version: 4.3

SECTION 1: Identification

1.1. Identification

Product form
Trade name
Product code

Chemical structure

Mixture

CFS-SP WB; CP 672 BU Fire Protection



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

Use of the substance/mixture

Flexible joint spray

1.3. Details of the supplier of the safety data sheet

Hilti, Inc.
Legacy Tower, Suite 1000
7250 Dallas Parkway
75024 Plano - USA
T +1 9724035800
1-800-879-8000 toll free - F +1 918 254 0522

Supplier

Hilti, Inc. Legacy Tower, Suite 1000 7250 Dallas Parkway 75024 Plano - USA T +1 9724035800 1-800-879-8000 toll free - F +1 918 254 0522 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 Chem-Trec

Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada)

Tel.: 703 527 3887 (Other countries)

+1 918 8723000 1-800-879-8000 toll free

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Repr. 2 H361 - Suspected of damaging fertility or the unborn child.

Full text of H statements : see section 16

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2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

Hazard statements (GHS-US)

Warning
H361 - Suspected of damaging fertility or the unborn child.

Precautionary statements (GHS-US)

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
hexaboron dizinc undecaoxide	(CAS-No.) 12767-90-7	1 - 2.5	Repr. 2, H361 Aquatic Chronic 2, H411

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 Get medical advice/attention if you feel unwell.

First-aid measures after skin contact Wash skin with plenty of water. If skin irritation 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 Get medical advice/attention if you feel unwell.

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

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

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

Reactivity The product is non-reactive under normal conditions of use, storage and transport.

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5.3. Advice for firefighters

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

No additional information available

6.1.2. For emergency responders

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

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Mechanically recover the product.

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 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 Keep cool. Store in a dry place.

Storage temperature 41 - 77 °F

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

hexaboron dizinc undecaoxide (12767-90-7)		
ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ (Borate compounds, inorganic; USA; Time- weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction)
ACGIH	ACGIH STEL (mg/m³)	6 mg/m³ (Borate compounds, inorganic; USA; Short time value; TLV - Adopted Value; Inhalable fraction)

8.2. Exposure controls

Personal protective equipment Protective clothing. Safety glasses. Gloves.



Hand protection Protective gloves. EN 374.

Eye protection Safety glasses. EN 166. EN 170.

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Skin and body protection Wear suitable protective clothing. Respiratory protection Not necessary with sufficient ventilation. Environmental exposure controls Avoid release to the environment. 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 ≈ 8.6

рΗ

Melting point Not applicable Freezing point No data available Boiling point No data available Flash point Not applicable Relative evaporation rate (butylacetate=1) No data available Flammability (solid, gas) No data available Explosive limits No data available Explosive properties No data available Oxidising properties No data available Vapour pressure No data available Relative density No data available Relative vapour density at 20 °C No data available Density 1.28 kg/l Molecular mass Not determined No data available Solubility Log Pow No data available No data available Auto-ignition temperature Decomposition temperature No data available No data available Viscosity

9.2. Other information

Viscosity, kinematic Viscosity, dynamic

VOC content 34 g/I EPA Method 24

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.

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No data available

No data available



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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

Not classified Acute toxicity

Skin corrosion/irritation Not classified

pH: ≈ 8.6

Serious eye damage/irritation Not classified

pH: ≈ 8.6

Respiratory or skin sensitisation Not classified Germ cell mutagenicity Not classified Carcinogenicity Not classified

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Specific target organ toxicity (single exposure)

Not classified

Specific target organ toxicity (repeated

exposure)

Not classified

Not classified Aspiration hazard

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.

hexaboron dizinc undecaoxide (12767-90-7)	
LC50 fish 1	2.4 mg/l (LC50; 96 h)
EC50 Daphnia 1	76 mg/l (LC50; 48 h)

12.2. Persistence and degradability

hexaboron dizinc undecaoxide (12767-90-7)		
Persistence and degradability	Biodegradability: not applicable. Adsorbs into the soil.	
Biochemical oxygen demand (BOD)	Not applicable	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	

12.3. Bioaccumulative potential

No additional information available

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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming

No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods

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

Product/Packaging disposal recommendations

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

SECTION 14: Transport information

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

ADR	IMDG	IATA	RID	
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping nar	ne			
Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard class	(es)			
Not applicable	Not applicable	Not applicable	Not applicable	
Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group			<u> </u>	
Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards				
Dangerous for the environment :				
No	No Marine pollutant : No	No	No	
	No supplementary i	nformation available	·	

14.6. Special precautions for user

- Overland transport
- Transport by sea

No data available

- Air transport

No data available

- Rail transport

Carriage prohibited (RID)

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

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

CAITABA	
CFS-SP WB; CP 672	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria

EU-Regulations

No additional information available

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

Not classified

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

Ethylen glycole (107-21-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	No	No	8400µg
Diisononyl phthalate (DINP)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	147µg

SECTION 16: Other information

11/07/2017 Revision date

Full text of H-statements:

NFPA reactivity

H361	Suspected of damaging fertility or the unborn child.
H411	Toxic to aquatic life with long lasting effects.

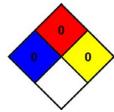
0 - Materials that, under emergency conditions, would offer NFPA health hazard no hazard beyond that of ordinary combustible materials.

NFPA fire hazard 0 - Materials that will not burn under typical dire conditions,

including intrinsically noncombustible materials such as concrete, stone, and sand.

0 - Material that in themselves are normally stable, even

under fire conditions.



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Hazard Rating

Health 0 Minimal Hazard - No significant risk to health Flammability 0 Minimal Hazard - Materials that will not burn

Physical 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT

react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection

B - Safety glasses, Gloves

Indication of changes:

Section	Changed item	Change	Comments
	U.S California - Proposition	Added	
	65 - Developmental Toxicity		
	U.S California - Proposition	Added	
	65 - Carcinogens List		
	Display TSCA summary in 15.1	Added	

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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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