

# CFS-SP WB

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

Issue date: 15/02/2022

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Version: 4.4

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

|              |                    |
|--------------|--------------------|
| Product form | Mixture            |
| Trade name   | CFS-SP WB          |
| 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

|                     |                           |
|---------------------|---------------------------|
| Recommended use     | Adhesives, sealants       |
| Restrictions on use | For professional use only |

#### 1.4. Details of manufacturer or importer

##### Supplier

Hilti (Aust.) Pty. Ltd.  
Level 5, 1G Homebush Bay Drive  
P.O. Box 3217  
2138 Rhodes NSW - Australia  
T +61 131 292 - F +61 1300 135 042  
[serviceaustralia@hilti.com](mailto:serviceaustralia@hilti.com)

##### Department issuing data specification sheet:

Hilti AG  
Feldkircherstraße 100  
9494 Schaan - Liechtenstein  
T +423 234 2111  
[chemicals.hse@hilti.com](mailto:chemicals.hse@hilti.com)

#### 1.5. Emergency phone number

Emergency number +61 2 8748 1000

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Not classified

#### 2.2. GHS Label elements, including precautionary statements

No labelling applicable

#### 2.3. Other hazards which do not result in classification

No additional information available

### SECTION 3: Composition and information on ingredients

| Name        | CAS-No.     | %       | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|-------------|-------------|---------|--|
| Zinc borate | 138265-88-0 | 1 – 2.5 | Repr. 2, H361<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411                          |

### SECTION 4: First aid measures

#### 4.1. Description of necessary first-aid measures

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).

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|                                       |  |
|---------------------------------------|--|
| First-aid measures after inhalation   | 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.                           |
| First-aid measures after ingestion    | Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.  |

### 4.2. Symptoms caused by exposure

Symptoms/effects Not expected to present a significant hazard under anticipated conditions of normal use.

### 4.3. Medical attention and special treatment

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. 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 chemical

|  |                                  |
|--|----------------------------------|
| 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

#### 6.1.1. For non-emergency personnel

|                      |                                 |
|----------------------|---------------------------------|
| Emergency procedures | Evacuate unnecessary personnel. |
|----------------------|---------------------------------|

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection. |
| Emergency procedures | Ventilate area.   |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

### 6.3. Methods and materials for containment and cleaning up

|                         |                   |
|-------------------------|-------------------|
| Methods for cleaning up | Collect spillage. |
|-------------------------|-------------------|

## 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. |
|-------------------------------|--|

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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 only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products Strong bases. Strong acids.

Incompatible materials Sources of ignition. Direct sunlight.

Storage temperature 5 – 25 °C

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

Additional information The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

### 8.2. Biological Monitoring

No additional information available

### 8.3. Engineering controls

No additional information available

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

Personal protective equipment Avoid all unnecessary exposure.

Materials for protective clothing Wear protective clothing

Hand protection Wear protective gloves.

| Type              | Material             | Permeation       | Thickness (mm) | Penetration | Standard   |
|-------------------|----------------------|------------------|----------------|-------------|------------|
| Disposable gloves | Nitrile rubber (NBR) | 1 (> 10 minutes) | >0.4           |             | EN ISO 374 |

Eye protection Chemical goggles or safety glasses

| Type           | Field of application | Characteristics | Standard       |
|----------------|----------------------|-----------------|----------------|
| Safety glasses |                      |                 | EN 166, EN 170 |

Respiratory protection No respiratory protection needed under normal use conditions

Other information Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

Physical state Solid

Appearance Pasty.

Molecular mass Not determined

Colour white red Grey

Odour characteristic

Odour threshold Not determined

pH ≈ 8.6

Relative evaporation rate (butylacetate=1) No data available

Melting point / Freezing point Melting point : Not applicable

Boiling point No data available

Flash point Not applicable

Auto-ignition temperature No data available

Flammability (solid, gas) No data available

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|   |                     |
|---|---------------------|
| Vapour pressure                                 | No data available   |
| Relative density                                | No data available   |
| Density   | Density : 1.28 kg/l |
| Solubility                                      | No data available   |
| Partition coefficient n-octanol/water (Log Pow) | No data available   |
| Explosive properties                            | No data available   |
| Explosive limits                                | No data available   |
| Minimum ignition energy                         | No data available   |
| Fat solubility                                  | No data available   |

### 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. |

### SECTION 11: Toxicological information

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

| Zinc borate (138265-88-0) |  |
|---------------------------|--|
| LD50 oral rat             | > 5000 mg/kg bodyweight (FIFRA (40 CFR), Rat, Male / female, Experimental value of similar product, Oral, 14 day(s))                               |
| LD50 dermal rabbit        | > 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value of similar product, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat     | > 4.95 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Read-across, Inhalation (dust), 14 day(s))                          |

|   |  |
|---|--|
| Skin corrosion/irritation                           | Not classified<br>pH: ≈ 8.6                                      |
| Serious eye damage/irritation                       | Not classified<br>pH: ≈ 8.6                                      |
| Respiratory or skin sensitisation                   | Not classified   |
| Germ cell mutagenicity                              | Not classified   |
| Carcinogenicity                                     | Not classified   |
| Reproductive toxicity                               | Not classified   |
| 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 |

### SECTION 12: Ecological information

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According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

### 12.1. Ecotoxicity

|   |   |
|---|---|
| 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  |
| Other information   | Avoid release to the environment.   |

| Zinc borate (138265-88-0) |   |
|---------------------------|---|
| LC50 - Fish [1]           | 169 µg/l (ASTM E729-88, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Read-across) |
| EC50 - Crustacea [1]      | 155 – 413 µg/l (US EPA, 48 h, Ceriodaphnia dubia, Static system, Fresh water, Read-across)  |
| BCF - Fish [1]            | 116 – 60960 (21 day(s), Semi-static system, Marine water, Read-across, Fresh weight)        |

### 12.2. Persistence and degradability

| CFS-SP WB                     |                                   |
|-------------------------------|-----------------------------------|
| Persistence and degradability | Not established.                  |
| Zinc borate (138265-88-0)     |                                   |
| 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                 |  |
|---------------------------|--|
| Bioaccumulative potential | Not established.   |
| Zinc borate (138265-88-0) |  |
| BCF - Fish [1]            | 116 – 60960 (21 day(s), Semi-static system, Marine water, Read-across, Fresh weight) |
| Bioaccumulative potential | High potential for bioaccumulation (BCF > 5000).                                     |

### 12.4. Mobility in soil

| Zinc borate (138265-88-0) |                        |
|---------------------------|------------------------|
| Surface tension           | Data waiving           |
| Ecology - soil            | Adsorbs into the soil. |

### 12.5. Other adverse effects

|                       |                                     |
|-----------------------|-------------------------------------|
| Ozone                 | Not classified                      |
| Other adverse effects | No additional information available |

| CFS-SP WB                    |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |
| Zinc borate (138265-88-0)    |       |
| Fluorinated greenhouse gases | False |

## SECTION 13: Disposal considerations

|  |   |
|--|---|
| Waste treatment methods                    | Dispose in a safe manner in accordance with local/national regulations. |
| Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials                  | Avoid release to the environment.                                       |

## SECTION 14: Transport information

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In accordance with ADR / IMDG / IATA / RID /

| ADR                                     | IMDG           | IATA           | RID            |
|---|----------------|----------------|----------------|
| <b>14.1. UN number</b>                  |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.2. UN proper shipping name</b>    |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.4. Packing group</b>              |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| <b>14.5. Environmental hazards</b>      |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |

### 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. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

### 14.8. Hazchem or Emergency Action Code

Hazchem Code

Not applicable

## SECTION 15: Regulatory information

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

No additional information available

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

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.

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Other information

None.

Classification:

Not classified

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Full text of H-statements:

|                   |   |
|-------------------|---|
| Aquatic Acute 1   | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Repr. 2           | Reproductive toxicity, Category 2                                 |
| 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\_AU\_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.*