

# FS-ONE MAX / CFS-FIL

## Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

Issue date: 28/10/2024

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Supersedes: 03/11/2022

Version: 1.7

### SECTION 1: Identification

#### 1.1. GHS Product identifier

|              |                      |
|--------------|----------------------|
| Product form | Mixture              |
| Trade name   | FS-ONE MAX / CFS-FIL |
| 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

|                                   |                              |
|-----------------------------------|------------------------------|
| Use of the substance/mixture      | Firestop intumescent sealant |
| Recommended uses and restrictions | For professional users only  |
| Recommended use                   | Adhesives, sealants          |

#### 1.4. Supplier's details

##### Supplier

Hilti (Hong Kong) Ltd.  
701-704, 7/F, Tower A, Manulife Financial Centre  
223 Wai Yip Street, Kwun Tong  
HK Kowloon  
Hong Kong  
T +852 27734 700  
[hksales@hilti.com](mailto:hksales@hilti.com)

##### Department issuing data specification sheet

Hilti AG  
Feldkircherstraße 100  
FL 9494 Schaan  
Liechtenstein  
T +423 234 2111  
[product.compliance-fire.protection@hilti.com](mailto:product.compliance-fire.protection@hilti.com)

#### 1.5. Emergency phone number

|                  |   |
|------------------|---|
| Emergency number | Emergency CONTACT (24-Hour-Number):<br>GBK GmbH Global Regulatory Compliance<br>+49 (0)6132-84463<br><br>+852 27734 700 |
|------------------|---|

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified

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

Labelling according to the United Nations GHS

No labelling applicable

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

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the applicable regulations

## 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).  |
| 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.  |

### 4.2. Most important symptoms/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. Indication of immediate medical attention and special treatment needed, 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 chemical

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

### 5.3. Special protective actions 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.   |



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### SECTION 9: Physical and chemical properties

#### 9.1. Basic physical and chemical properties

|   |                                |
|---|--------------------------------|
| Physical state                                  | Solid                          |
| Appearance                                      | Pasty                          |
| Colour  | red.                           |
| Odour   | characteristic.                |
| Odour threshold                                 | Not determined                 |
| Melting point                                   | Not applicable                 |
| Freezing point                                  | Not available                  |
| Boiling point                                   | Not available                  |
| Flammability                                    | Not applicable, Non flammable. |
| Lower explosion limit                           | Not applicable                 |
| Upper explosion limit                           | Not applicable                 |
| Flash point                                     | Not applicable                 |
| Auto-ignition temperature                       | Not applicable                 |
| Decomposition temperature                       | Not available                  |
| pH  | ≈ 7.85                         |
| pH solution                                     | Not available                  |
| Viscosity, kinematic (calculated value) (40 °C) | Not applicable                 |
| Partition coefficient n-octanol/water (Log Kow) | Not available                  |
| Vapour pressure                                 | Not available                  |
| Vapour pressure at 50°C                         | Not available                  |
| Density   | ≈ 1.35 g/cm <sup>3</sup>       |
| Relative density                                | Not available                  |
| Relative vapour density at 20°C                 | Not applicable                 |
| Solubility                                      | Not available                  |
| Particle size                                   | Not available                  |

#### 9.2. Data relevant with regard to physical hazard classes (supplemental)

|                |                |
|----------------|----------------|
| Molecular mass | Not determined |
| VOC content    | 9 g/l          |

### 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. Not established.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7). Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. 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

#### 11.1. Information on toxicological effects

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

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|   |   |
|---|---|
| Acute toxicity (dermal)                             | Not classified  |
| Acute toxicity (inhalation)                         | Not classified  |
| Skin corrosion/irritation                           | Not classified<br>pH: ≈ 7.85                                      |
| Serious eye damage/irritation                       | Not classified<br>pH: ≈ 7.85                                      |
| 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

### 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  |

### 12.2. Persistence and degradability

| FS-ONE MAX / CFS-FIL          |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| FS-ONE MAX / CFS-FIL      |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

### 12.4. Mobility in soil

| FS-ONE MAX / CFS-FIL |                                     |
|----------------------|-------------------------------------|
| Mobility in soil     | No additional information available |

### 12.5. Other adverse effects

|                       |                                     |
|-----------------------|-------------------------------------|
| Ozone                 | Not classified                      |
| Other adverse effects | No additional information available |
| 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 | Dispose in a safe manner in accordance with local/national regulations. |
| Ecological information                     | 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 or ID 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>      |   |                                   |                                   |
| Dangerous for the environment: No       | Dangerous for the environment: No<br>Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available  |   |                                   |                                   |

### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

#### Air transport

No data available

#### Rail transport

No data available

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

## SECTION 16: Other information

|                 |            |
|-----------------|------------|
| SDS Major/Minor | None       |
| Issue date      | 10/28/2024 |
| Revision date   | 10/28/2024 |
| Supersedes      | 11/3/2022  |

| Section | Changed item | Change | Comments       |
|---------|--------------|--------|----------------|
|         |              |        | general update |

Abbreviations and acronyms

CAS-No. - Chemical Abstract Service number

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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
ATE - Acute Toxicity Estimate  
BCF - Bioconcentration factor  
BLV - Biological limit value  
BOD - Biochemical oxygen demand (BOD)  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
DMEL - Derived Minimal Effect level  
DNEL - Derived-No Effect Level  
EC-No. - European Community number  
EC50 - Median effective concentration  
ED - Endocrine disrupting properties  
EN - European Standard  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
IOELV - Indicative Occupational Exposure Limit Value  
LC50 - Median lethal concentration  
LD50 - Median lethal dose  
LOAEL - Lowest Observed Adverse Effect Level  
N.O.S. - Not Otherwise Specified  
NOAEC - No-Observed Adverse Effect Concentration  
NOAEL - No-Observed Adverse Effect Level  
NOEC - No-Observed Effect Concentration  
vPvB - Very Persistent and Very Bioaccumulative  
WGK - Water Hazard Class  
VOC - Volatile Organic Compounds  
SDS - Safety Data Sheet  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
PNEC - Predicted No-Effect Concentration  
PBT - Persistent Bioaccumulative Toxic  
OEL - Occupational Exposure Limit  
OECD - Organisation for Economic Co-operation and Development  
COD - Chemical oxygen demand (COD)  
ThOD - Theoretical oxygen demand (ThOD)  
TRGS - Technical Rules for Hazardous Substances  
TLM - Median Tolerance Limit  
STP - Sewage treatment plant  
None.

### Other information

SDS\_UN\_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.