

# HIT-FP 700-R

## Safety information for 2-Component-products

Issue date: 31/05/2022

Revision date: 31/05/2022

Version: 1.0

### SECTION 1: Kit identification

#### 1.1 Product identifier

Product name HIT-FP 700-R  
Product code BU Anchor



#### 1.2 Details of the supplier of the Safety information for 2-Component-products

Hilti (Fastening Systems) Limited  
Unit C4  
North City Business Park, Finglas  
11 Dublin - Ireland  
T +353 188 64101  
1850-287 387 Call Save - F +353 183 03569  
[iesales@hilti.com](mailto:iesales@hilti.com)

### SECTION 2: General information

Storage Storage temperature : 5 - 25 °C

A SDS for each of these components is included. Please do not separate any component SDS from this cover page

This Kit should be handled in accordance with good laboratory practices and appropriate personal protective equipment should be used

### SECTION 3: Kit contents

#### Classification of the Product

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

Skin Irrit. 2 H315

Eye Dam. 1 H318

Full text of H- and EUH-statements: see section 16

#### Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

Danger

Hazardous ingredients

lithium hydroxide; L-(+)-tartaric acid

Hazard statements (CLP)

H315 - Causes skin irritation.

# HIT-FP 700-R

## Kit SIS (Safety Information Sheet)

### Precautionary statements (CLP)

H318 - Causes serious eye damage.  
 P280 - Wear eye protection, protective clothing, protective gloves.  
 P262 - Do not get in eyes, on skin, or on clothing.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P302+P352 - IF ON SKIN: Wash with plenty of water.  
 P337+P313 - If eye irritation persists: Get medical advice/attention.  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

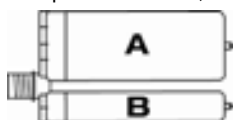
### EUH-statements

EUH208 - Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.

### Extra phrases

### Additional information

2-component-foilpack, contains:  
 Component A: Cement, Inhibitor, Water  
 Component B: Base, Accelerator, Filler



| Name            | General description | Quantity | Unit         | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------|---------------------|----------|--------------|---|
| HIT-FP 700-R, B |                     | 1        | pcs (pieces) | Skin Irrit. 2, H315<br>Eye Dam. 1, H318                         |

No substance or mixture included in the following Kit components is hazardous according to Regulation (EC) No. 1272/2008 [CLP] and therefore the requirements of Regulation (EU) 2015/830 do not apply

| Name            | General description | Quantity | Unit         |
|-----------------|---------------------|----------|--------------|
| HIT-FP 700-R, A |                     | 1        | pcs (pieces) |

### SECTION 4: General information

#### General advice

For professional users only

### SECTION 5: Safe handling advice

#### General measures

Spilled material may present a slipping hazard

#### Environmental precautions

Prevent entry to sewers and public waters  
 Notify authorities if liquid enters sewers or public waters  
 Avoid release to the environment  
 Full or only partially emptied cartridges must be disposed of as special waste in accordance with official regulations.  
 After curing, the product can be disposed of with household waste.

#### Storage conditions

Protect from sunlight. Store in a well-ventilated place.

#### Technical measures

Comply with applicable regulations

#### Precautions for safe handling

Wear personal protective equipment  
 Avoid contact with skin and eyes  
 Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work  
 Avoid contact during pregnancy/while nursing

#### Methods for cleaning up

This material and its container must be disposed of in a safe way, and as per local legislation  
 Mechanically recover the product  
 On land, sweep or shovel into suitable containers  
 Store away from other materials.

#### For containment

Collect spillage.

#### Incompatible materials

Sources of ignition  
 Direct sunlight

#### Incompatible products

Strong bases

# HIT-FP 700-R

Kit SIS (Safety Information Sheet)

---

Strong acids

## SECTION 6: First aid measures

|                                       |  |
|---------------------------------------|--|
| First-aid measures after eye contact  | Get immediate medical advice/attention.<br>Immediately rinse with water for a prolonged period while holding the eyelids wide open<br>Remove contact lenses, if present and easy to do. Continue rinsing.<br>Consult an eye specialist |
| First-aid measures after ingestion    | Do not induce vomiting<br>Rinse mouth<br>Immediately call a POISON CENTER/doctor.  |
| First-aid measures after inhalation   | Remove person to fresh air and keep comfortable for breathing.   |
| First-aid measures after skin contact | Wash with plenty of water/...<br>Take off immediately all contaminated clothing.<br>Wash contaminated clothing before reuse.<br>If skin irritation or rash occurs: Get immediate medical advice/attention.                             |
| First-aid measures general            | Never give anything by mouth to an unconscious person<br>If you feel unwell, seek medical advice (show the label where possible)   |
| Symptoms/effects                      | Causes severe skin burns and eye damage.   |
| Symptoms/effects after eye contact    | Causes serious eye damage.   |
| Symptoms/effects after skin contact   | May cause an allergic skin reaction.   |
| Other medical advice or treatment     | Treat symptomatically  |

## SECTION 7: Fire fighting measures

|  |  |
|--|--|
| Firefighting instructions                        | Use water spray or fog for cooling exposed containers<br>Exercise caution when fighting any chemical fire<br>Prevent fire fighting water from entering the environment |
| Protection during firefighting                   | Self-contained breathing apparatus<br>Do not enter fire area without proper protective equipment, including respiratory protection                                     |
| Hazardous decomposition products in case of fire | Thermal decomposition generates :<br>Carbon dioxide<br>Carbon monoxide   |

## SECTION 8: Other information

No data available



# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Issue date: 31/05/2022 Revision date: 31/05/2022 Version: 1.0

### SECTION 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form Mixture  
Trade name HIT-FP 700-R, B  
Product code BU Anchor

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec For professional use only  
Use of the substance/mixture Composite mortar component for fasteners in the construction industry

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Hilti (Fastening Systems) Limited  
Unit C4  
North City Business Park, Finglas  
11 Dublin - Irland  
T +353 188 64101  
1850-287 387 Call Save - F +353 183 03569  
[iesales@hilti.com](mailto:iesales@hilti.com)

##### Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH  
Hiltistraße 6  
86916 Kaufering - Deutschland  
T +49 8191 906876  
[anchor.hse@hilti.com](mailto:anchor.hse@hilti.com)

#### 1.4. Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service  
+41 44 251 51 51 (international)  
+353 188 64101  
1850-287 387 Call Save

| Country | Organisation/Company                                     | Address                                  | Emergency number  | Comment |
|---------|--|--|---|---------|
| Ireland | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare<br>professionals-24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |

### SECTION 2 Hazards identification

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

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 1 H318

Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

Danger

Contains

lithium hydroxide, L-(+)-tartaric acid

Hazard statements (CLP)

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

Precautionary statements (CLP)

P280 - Wear eye protection, protective clothing, protective gloves.

P262 - Do not get in eyes, on skin, or on clothing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P337+P313 - If eye irritation persists: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

UFI

J6H3-V6YR-391K-G1QU

### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

| Component                     |   |
|-------------------------------|---|
| Calcium carbonate (1317-65-3) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| citric acid (77-92-9)         | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Lithium sulphate (10377-48-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| lithium hydroxide (1310-65-2) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| L-(+)-tartaric acid (87-69-4) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

| Component                    |   |
|------------------------------|---|
| Calcium carbonate(1317-65-3) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| citric acid(77-92-9)         | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| Component                    |   |
|------------------------------|---|
| Lithium sulphate(10377-48-7) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| lithium hydroxide(1310-65-2) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| L-(+)-tartaric acid(87-69-4) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|--|---|---------|--|
| Calcium carbonate<br>substance with national workplace exposure limit(s)<br>(IE) | CAS-No. 1317-65-3<br>EC-No. 215-279-6                               | 60 – 80 | Not classified   |
| citric acid  | CAS-No. 77-92-9<br>EC-No. 201-069-1<br>REACH-no 01-2119457026-42    | 2.5 – 5 | Eye Irrit. 2, H319<br>STOT SE 3, H335  |
| Lithium sulphate   | CAS-No. 10377-48-7<br>EC-No. 233-820-4<br>REACH-no 01-2119968668-14 | 1 – 2.5 | Acute Tox. 4 (Oral), H302 (ATE=613 mg/kg bodyweight)<br>Eye Irrit. 2, H319   |
| lithium hydroxide<br>substance with national workplace exposure limit(s)<br>(IE) | CAS-No. 1310-65-2<br>EC-No. 215-183-4                               | 1 – 2.5 | Acute Tox. 4 (Oral), H302 (ATE=330 mg/kg bodyweight)<br>Acute Tox. 3 (Inhalation:dust,mist), H331 (ATE=0.96 mg/l/4h)<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412 |
| L-(+)-tartaric acid  | CAS-No. 87-69-4<br>EC-No. 201-766-0<br>REACH-no 01-2119537204-47    | 1 – 2.5 | Eye Dam. 1, H318   |

Full text of H- and EUH-statements: see section 16

## SECTION 4 First aid measures

### 4.1. Description of 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

Allow affected person to breathe fresh air. Allow the victim to rest. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

|                                      |   |
|--------------------------------------|---|
| First-aid measures after eye contact | Get immediate medical advice/attention. Immediately rinse with water for a prolonged period while holding the eyelids wide open. Consult an eye specialist. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion   | Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Obtain emergency medical attention.   |

### 4.2. Most important symptoms and effects, both acute and delayed

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

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5 Firefighting 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. Special hazards arising from the substance or mixture

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

### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| 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. 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 | Use personal protective equipment as required. Equip cleanup crew with proper protection. |
| Emergency procedures | Ventilate area.   |

### 6.2. Environmental precautions

Full or only partially emptied cartridges must be disposed of as special waste in accordance with official regulations. After curing, the product can be disposed of with household waste. . Prevent entry to sewers and public waters.

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

|                         |  |
|-------------------------|--|
| Methods for cleaning up | This material and its container must be disposed of in a safe way, and as per local legislation. Mechanically recover the product. On land, sweep or shovel into suitable containers. Store away from other materials. |
|-------------------------|--|

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13. See Section 8. Exposure controls and personal protection.

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

|                               |  |
|-------------------------------|--|
| Precautions for safe handling | Wear personal protective equipment. Avoid contact with skin and eyes. 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. |
|-------------------------------|--|



# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### Hygiene measures

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. Protect from sunlight.     |
| Incompatible products  | Strong bases. Strong acids.           |
| Incompatible materials | Sources of ignition. Direct sunlight. |
| Storage temperature    | 5 – 25 °C                             |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National occupational exposure and biological limit values

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

| HIT-FP 700-R, B                        |  |
|--|--|
| Ireland - Occupational Exposure Limits |  |
| Local name                             | Lithium hydroxide  |
| OEL TWA [1]                            | 10 mg/m <sup>3</sup> total inhalable dust<br>4 mg/m <sup>3</sup> respirable dust |
| OEL STEL                               | 1 mg/m <sup>3</sup>  |
| Regulatory reference                   | Chemical Agents Code of Practice 2021  |
| Calcium carbonate (1317-65-3)          |  |
| Ireland - Occupational Exposure Limits |  |
| Local name                             | Calcium carbonate [Limestone, Marble]  |
| OEL TWA [1]                            | 10 mg/m <sup>3</sup> total inhalable dust<br>4 mg/m <sup>3</sup> respirable dust |
| Regulatory reference                   | Chemical Agents Code of Practice 2021  |
| lithium hydroxide (1310-65-2)          |  |
| Ireland - Occupational Exposure Limits |  |
| Local name                             | Lithium hydroxide  |
| OEL STEL                               | 1 mg/m <sup>3</sup>  |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No additional information available

#### 8.2.2. Personal protection equipment

##### Personal protective equipment

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



# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### Personal protective equipment symbol(s)



#### 8.2.2.1. Eye and face protection

##### Eye protection

Chemical goggles or safety glasses

#### 8.2.2.2. Skin protection

##### Hand protection

Protective gloves

#### 8.2.2.3. Respiratory protection

No additional information available

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information

Do not eat, drink or smoke during use.

No additional information available

## SECTION 9 Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                               |
|---|-------------------------------|
| Physical state                                  | Solid                         |
| Colour  | Light grey.                   |
| Appearance                                      | Thixotropic paste.            |
| Odour   | characteristic.               |
| Odour threshold                                 | Not available                 |
| Melting point                                   | Not available                 |
| Freezing point                                  | Not available                 |
| Boiling point                                   | Not available                 |
| Flammability                                    | Non flammable.                |
| Explosive limits                                | Not applicable                |
| Lower explosive limit (LEL)                     | Not applicable                |
| Upper explosive limit (UEL)                     | Not applicable                |
| Flash point                                     | Not applicable                |
| Auto-ignition temperature                       | Not applicable                |
| Decomposition temperature                       | Not available                 |
| pH  | 11 – 12.5                     |
| pH solution                                     | Not available                 |
| Viscosity, kinematic                            | Not applicable                |
| Viscosity, dynamic                              | 400 – 1000                    |
| Solubility                                      | Not available                 |
| Partition coefficient n-octanol/water (Log Kow) | Not available                 |
| Vapour pressure                                 | Not available                 |
| Vapour pressure at 50 °C                        | Not available                 |
| Density   | 2.05 – 2.15 g/cm <sup>3</sup> |
| Relative density                                | Not available                 |
| Relative vapour density at 20 °C                | Not applicable                |

# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

|                                |               |
|--------------------------------|---------------|
| Particle size                  | Not available |
| Particle size distribution     | Not available |
| Particle shape                 | Not available |
| Particle aspect ratio          | Not available |
| Particle aggregation state     | Not available |
| Particle agglomeration state   | Not available |
| Particle specific surface area | Not available |
| Particle dustiness             | Not available |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available.

### 10.4. Conditions to avoid

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.

## SECTION 11 Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

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

| <b>Calcium carbonate (1317-65-3)</b> |  |
|--------------------------------------|--|
| LD50 oral rat                        | 6450 mg/kg (Rat, Literature study, Oral)   |
| ATE CLP (oral)                       | 6450 mg/kg bodyweight  |
| <b>citric acid (77-92-9)</b>         |  |
| LD50 oral                            | 5400 mg/kg bodyweight (Equivalent or similar to OECD 401, Mouse, Male / female, Experimental value, Oral, 10 day(s))       |
| LD50 dermal rat                      | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s)) |
| ATE CLP (oral)                       | 5400 mg/kg bodyweight  |
| <b>lithium hydroxide (1310-65-2)</b> |  |
| LD50 oral rat                        | 330 mg/kg (Rat, Female, Weight of evidence, Oral)  |
| LD50 dermal rat                      | > 2000 mg/kg (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))            |
| LC50 Inhalation - Rat                | 3400 g/m <sup>3</sup>  |
| LC50 Inhalation - Rat (Dust/Mist)    | 0.96 mg/l/4h   |

# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| <b>lithium hydroxide (1310-65-2)</b> |  |
|--------------------------------------|--|
| ATE CLP (oral)                       | 330 mg/kg bodyweight   |
| ATE CLP (vapours)                    | 3400 mg/l/4h   |
| ATE CLP (dust,mist)                  | 0.96 mg/l/4h   |
| <b>Lithium sulphate (10377-48-7)</b> |  |
| LD50 oral rat                        | 613 mg/kg bodyweight (Rat, Experimental value, Oral)   |
| LD50 oral                            | 613 mg/kg  |
| LD50 dermal rabbit                   | > 3000 mg/kg   |
| ATE CLP (oral)                       | 613 mg/kg bodyweight   |
| <b>L-(+)-tartaric acid (87-69-4)</b> |  |
| LD50 oral rat                        | 2000 – 5000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, 14 day(s), Rat, Female, Experimental value, Oral, 14 day(s)) |
| LD50 dermal rat                      | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))                           |
| ATE CLP (oral)                       | 2000 mg/kg bodyweight  |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | Causes skin irritation.<br>pH 11 – 12.5                          |
| Additional information            | On basis of test data  |
| Serious eye damage/irritation     | Causes serious eye damage.<br>pH 11 – 12.5                       |
| Respiratory or skin sensitisation | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Germ cell mutagenicity            | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Carcinogenicity                   | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Reproductive toxicity             | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| STOT-single exposure              | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |

| <b>citric acid (77-92-9)</b> |  |
|------------------------------|--|
| STOT-single exposure         | May cause respiratory irritation.                                |
| STOT-repeated exposure       | Not classified   |
| Additional information       | Based on available data, the classification criteria are not met |
| Aspiration hazard            | Not classified   |
| Additional information       | Based on available data, the classification criteria are not met |

### 11.2. Information on other hazards

#### 11.2.1. Endocrine disrupting properties

No additional information available

#### 11.2.2. Other information

Potential adverse human health effects and symptoms No additional information available

## 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 |

| <b>Calcium carbonate (1317-65-3)</b> |  |
|--------------------------------------|--|
| LC50 - Fish [1]                      | > 10000 mg/l (96 h, Oncorhynchus mykiss, Literature study) |
| EC50 - Crustacea [1]                 | > 1000 mg/l (48 h, Daphnia magna, Literature study)        |
| EC50 72h - Algae [1]                 | > 200 mg/l (Desmodesmus subspicatus, Literature study)     |

# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| <b>citric acid (77-92-9)</b>         |   |
|--------------------------------------|---|
| LC50 - Fish [1]                      | 440 – 760 mg/l (Equivalent or similar to OECD 203, 48 h, Leuciscus idus, Static system, Fresh water, Experimental value, Nominal concentration)                 |
| <b>lithium hydroxide (1310-65-2)</b> |   |
| LC50 - Fish [1]                      | 62.2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Calculated value, Nominal concentration)                         |
| EC50 - Crustacea [1]                 | 19.1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)              |
| ErC50 algae                          | 87.57 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Calculated value, Nominal concentration) |
| <b>Lithium sulphate (10377-48-7)</b> |   |
| EC50 72h - Algae [1]                 | > 400 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Static system, Fresh water, Read-across)   |
| <b>L-(+)-tartaric acid (87-69-4)</b> |   |
| EC50 72h - Algae [1]                 | 51.404 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Cell numbers)             |

### 12.2. Persistence and degradability

| <b>HIT-FP 700-R, B</b>               |  |
|--------------------------------------|--|
| Persistence and degradability        | Not established.   |
| <b>Calcium carbonate (1317-65-3)</b> |  |
| Persistence and degradability        | Biodegradability: not applicable.                          |
| Chemical oxygen demand (COD)         | Not applicable (inorganic)                                 |
| ThOD                                 | Not applicable (inorganic)                                 |
| <b>citric acid (77-92-9)</b>         |  |
| Persistence and degradability        | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD)      | 0.42 g O <sub>2</sub> /g substance                         |
| Chemical oxygen demand (COD)         | 0.728 g O <sub>2</sub> /g substance                        |
| ThOD                                 | 0.686 g O <sub>2</sub> /g substance                        |
| <b>lithium hydroxide (1310-65-2)</b> |  |
| Persistence and degradability        | Biodegradability: not applicable.                          |
| Chemical oxygen demand (COD)         | Not applicable (inorganic)                                 |
| ThOD                                 | Not applicable (inorganic)                                 |
| <b>Lithium sulphate (10377-48-7)</b> |  |
| Persistence and degradability        | Biodegradability: not applicable.                          |
| Chemical oxygen demand (COD)         | Not applicable   |
| ThOD                                 | Not applicable   |
| BOD (% of ThOD)                      | Not applicable   |
| <b>L-(+)-tartaric acid (87-69-4)</b> |  |
| Persistence and degradability        | Readily biodegradable in water.                            |
| Biochemical oxygen demand (BOD)      | 0.35 g O <sub>2</sub> /g substance                         |
| Chemical oxygen demand (COD)         | 0.42 g O <sub>2</sub> /g substance                         |
| ThOD                                 | 0.53 g O <sub>2</sub> /g substance                         |

### 12.3. Bioaccumulative potential

| <b>HIT-FP 700-R, B</b>                          |                                   |
|---|-----------------------------------|
| Bioaccumulative potential                       | Not established.                  |
| <b>Calcium carbonate (1317-65-3)</b>            |                                   |
| Bioaccumulative potential                       | Bioaccumulation: not applicable.  |
| <b>citric acid (77-92-9)</b>                    |                                   |
| Partition coefficient n-octanol/water (Log Pow) | -1.8 – -1.55 (Experimental value) |
| Bioaccumulative potential                       | Not bioaccumulative.              |
| <b>lithium hydroxide (1310-65-2)</b>            |                                   |
| Bioaccumulative potential                       | Not bioaccumulative.              |
| <b>Lithium sulphate (10377-48-7)</b>            |                                   |
| Partition coefficient n-octanol/water (Log Pow) | -4.38 (Calculated, 20 °C)         |



# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

|   |  |
|---|--|
| <b>Lithium sulphate (10377-48-7)</b>            |  |
| Bioaccumulative potential                       | Not bioaccumulative.   |
| <b>L-(+)-tartaric acid (87-69-4)</b>            |  |
| Partition coefficient n-octanol/water (Log Pow) | -1.91 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C) |
| Bioaccumulative potential                       | Not bioaccumulative.   |

### 12.4. Mobility in soil

|  |   |
|--|---|
| <b>Calcium carbonate (1317-65-3)</b>                       |   |
| Ecology - soil   | No (test)data on mobility of the substance available. |
| <b>citric acid (77-92-9)</b>                               |   |
| Surface tension  | No data available in the literature                   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1 (log Koc, SRC PCKOCWIN v2.0, Calculated value)      |
| Ecology - soil   | Highly mobile in soil.                                |
| <b>lithium hydroxide (1310-65-2)</b>                       |   |
| Surface tension  | No data available (test not performed)                |
| Ecology - soil   | Low potential for adsorption in soil.                 |
| <b>Lithium sulphate (10377-48-7)</b>                       |   |
| Ecology - soil   | No (test)data on mobility of the substance available. |
| <b>L-(+)-tartaric acid (87-69-4)</b>                       |   |
| Surface tension  | No data available in the literature                   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0 (log Koc, SRC PCKOCWIN v2.0, Calculated value)      |
| Ecology - soil   | Highly mobile in soil.                                |

### 12.5. Results of PBT and vPvB assessment

|  |   |
|--|---|
| <b>HIT-FP 700-R, B</b>   |   |
| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  |   |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |   |
| <b>Component</b>   |   |
| Calcium carbonate (1317-65-3)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| citric acid (77-92-9)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Lithium sulphate (10377-48-7)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| lithium hydroxide (1310-65-2)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| L-(+)-tartaric acid (87-69-4)  | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information Avoid release to the environment.

## SECTION 13 Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations.   |
| Ecology - waste materials                  | Avoid release to the environment.   |
| European List of Waste (LoW) code          | 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances<br>20 01 27* - paint, inks, adhesives and resins containing dangerous substances |

# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### SECTION 14: Transport information

In accordance with IMDG / IATA / ADN / RID

| IMDG                                    | IATA           | ADN            | 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>      |                |                |                |
| Not applicable                          | Not applicable | Not applicable | Not applicable |
| No supplementary information available  |                |                |                |

#### 14.6. Special precautions for user

##### Transport by sea

Not applicable

##### Air transport

Not applicable

##### Inland waterway transport

Not applicable

##### Rail transport

Not applicable

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

Not applicable

### SECTION 15 Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

# HIT-FP 700-R, B

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### SECTION 16 Other information

Other information None.

| Full text of H- and EUH-statements:    |  |
|--|--|
| Acute Tox. 3<br>(Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 3   |
| Acute Tox. 4 (Oral)                    | Acute toxicity (oral), Category 4  |
| Aquatic Chronic 3                      | Hazardous to the aquatic environment – Chronic Hazard, Category 3                          |
| Eye Dam. 1                             | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2                           | Serious eye damage/eye irritation, Category 2  |
| H302                                   | Harmful if swallowed.  |
| H314                                   | Causes severe skin burns and eye damage.   |
| H315                                   | Causes skin irritation.  |
| H318                                   | Causes serious eye damage.   |
| H319                                   | Causes serious eye irritation.   |
| H331                                   | Toxic if inhaled.  |
| H335                                   | May cause respiratory irritation.  |
| H412                                   | Harmful to aquatic life with long lasting effects.   |
| Skin Corr. 1B                          | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| Skin Irrit. 2                          | Skin corrosion/irritation, Category 2  |
| STOT SE 3                              | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

| Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP] |      |                    |
|--|------|--------------------|
| Skin Irrit. 2  | H315 | Expert judgment    |
| Eye Dam. 1   | H318 | Calculation method |

SDS\_EU\_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.

# HIT-FP 700-R, A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878  
Issue date: 31/05/2022 Revision date: 31/05/2022 Version: 1.0

### SECTION 1 Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form Mixture  
Trade name HIT-FP 700-R, A  
Product code BU Anchor

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec For professional use only  
Use of the substance/mixture Composite mortar component for fasteners in the construction industry

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Hilti (Fastening Systems) Limited  
Unit C4  
North City Business Park, Finglas  
11 Dublin - Irland  
T +353 188 64101  
1850-287 387 Call Save - F +353 183 03569  
[iesales@hilti.com](mailto:iesales@hilti.com)

##### Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH  
Hiltistraße 6  
86916 Kaufering - Deutschland  
T +49 8191 906876  
[anchor.hse@hilti.com](mailto:anchor.hse@hilti.com)

#### 1.4. Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service  
+41 44 251 51 51 (international)  
+353 188 64101  
1850-287 387 Call Save

| Country | Organisation/Company                                     | Address                                  | Emergency number  | Comment |
|---------|--|--|---|---------|
| Ireland | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare<br>professionals-24/7)<br>+353 1 809 2166 (public,<br>8am - 10pm, 7/7) |         |

### SECTION 2 Hazards identification

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

Classification according to Regulation (EC) No. 1272/2008 [CLP] Mixtures/Substances: SDS EU > 2015: According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

EUH-statements EUH208 - Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII



# HIT-FP 700-R, A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

| Component                                |   |
|--|---|
| 2-octyl-2H-isothiazol-3-one (26530-20-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

| Component                               |   |
|---|---|
| 2-octyl-2H-isothiazol-3-one(26530-20-1) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                        | Product identifier   | %        | Classification according to Regulation (EC) No. 1272/2008 [CLP]  |
|-----------------------------|--|----------|--|
| 2-octyl-2H-isothiazol-3-one | CAS-No. 26530-20-1<br>EC-No. 247-761-7<br>EC Index-No. 613-112-00-5<br>REACH-no 01-2120768921-45 | < 0.0015 | Acute Tox. 2 (Inhalation), H330 (ATE=0.27 mg/l)<br>Acute Tox. 3 (Dermal), H311 (ATE=311 mg/kg bodyweight)<br>Acute Tox. 3 (Oral), H301 (ATE=125 mg/kg bodyweight)<br>Skin Corr. 1, H314<br>Eye Dam. 1, H318<br>Skin Sens. 1A, H317<br>Aquatic Acute 1, H400 (M=100)<br>Aquatic Chronic 1, H410 (M=100)<br>EUH071 |

#### Specific concentration limits:

| Name                        | Product identifier   | Specific concentration limits           |
|-----------------------------|--|---|
| 2-octyl-2H-isothiazol-3-one | CAS-No. 26530-20-1<br>EC-No. 247-761-7<br>EC Index-No. 613-112-00-5<br>REACH-no 01-2120768921-45 | ( 0.0015 ≤ C ≤ 100) Skin Sens. 1A, H317 |

Full text of H- and EUH-statements: see section 16

## SECTION 4 First aid measures

### 4.1. Description of 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

Allow affected person to breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact

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

Get immediate medical advice/attention. Immediately rinse with water for a prolonged period while holding the eyelids wide open. Consult an eye specialist. Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

# HIT-FP 700-R, A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

|                                    |   |
|------------------------------------|---|
| First-aid measures after ingestion | Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Obtain emergency medical attention. |
|------------------------------------|---|

### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |  |
|-------------------------------------|--|
| Symptoms/effects                    | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation   | No information available.  |
| Symptoms/effects after skin contact | No information available.  |
| Symptoms/effects after eye contact  | No information available.  |
| Symptoms/effects after ingestion    | No information available.  |

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available.

## SECTION 5 Firefighting measures

### 5.1. Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | Dry powder. Carbon dioxide. Water spray. Alcohol-resistant foam. |
| Unsuitable extinguishing media | Do not use a heavy water stream.                                 |

### 5.2. Special hazards arising from the substance or mixture

|  |   |
|--|---|
| Hazardous decomposition products in case of fire | Thermal decomposition generates : Corrosive vapours. In case of fire and/or explosion do not breathe fumes. |
|--|---|

### 5.3. Advice for firefighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.                      |
| Protection during firefighting | Self-contained breathing apparatus. 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. Do not breathe vapours. |
|----------------------|---|

#### 6.1.2. For emergency responders

|                      |   |
|----------------------|---|
| Protective equipment | Use personal protective equipment as required. Equip cleanup crew with proper protection. |
| Emergency procedures | Ventilate area.   |

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

|                         |  |
|-------------------------|--|
| Methods for cleaning up | Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Collect all waste in suitable and labelled containers and dispose according to local legislation. |
|-------------------------|--|

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13. See Section 8. Exposure controls and personal protection.

# HIT-FP 700-R, A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling

Wear personal protective equipment. Do not breathe vapours. Avoid contact with skin and eyes. 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

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

Do not use metal containers. Keep container tightly closed.

Incompatible materials

Metals.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. National occupational exposure and biological limit values

Additional information

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

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

No additional information available

##### 8.2.2. Personal protection equipment

###### Personal protective equipment

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

###### Personal protective equipment symbol(s)



###### 8.2.2.1. Eye and face protection

###### Eye protection

Chemical goggles or safety glasses

###### 8.2.2.2. Skin protection

###### Hand protection

Protective gloves

# HIT-FP 700-R, A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### 8.2.2.3. Respiratory protection

No additional information available

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Other information

Do not eat, drink or smoke during use.

No additional information available

## SECTION 9 Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                               |
|---|-------------------------------|
| Physical state                                  | Solid                         |
| Colour  | Light grey.                   |
| Appearance                                      | Thixotropic paste.            |
| Odour   | Not available                 |
| Odour threshold                                 | Not available                 |
| Melting point                                   | Not available                 |
| Freezing point                                  | Not available                 |
| Boiling point                                   | Not available                 |
| Flammability                                    | Non flammable.                |
| Explosive limits                                | Not applicable                |
| Lower explosive limit (LEL)                     | Not applicable                |
| Upper explosive limit (UEL)                     | Not applicable                |
| Flash point                                     | Not applicable                |
| Auto-ignition temperature                       | Not applicable                |
| Decomposition temperature                       | Not available                 |
| pH  | 4.5 – 7.5                     |
| pH solution                                     | Not available                 |
| Viscosity, kinematic                            | Not applicable                |
| Viscosity, dynamic                              | 180 – 500                     |
| Solubility                                      | Not available                 |
| Partition coefficient n-octanol/water (Log Kow) | Not available                 |
| Vapour pressure                                 | Not available                 |
| Vapour pressure at 50 °C                        | Not available                 |
| Density   | 2.05 – 2.15 g/cm <sup>3</sup> |
| Relative density                                | Not available                 |
| Relative vapour density at 20 °C                | Not applicable                |
| Particle size                                   | Not available                 |
| Particle size distribution                      | Not available                 |
| Particle shape                                  | Not available                 |
| Particle aspect ratio                           | Not available                 |
| Particle aggregation state                      | Not available                 |
| Particle agglomeration state                    | Not available                 |
| Particle specific surface area                  | Not available                 |
| Particle dustiness                              | Not available                 |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

# HIT-FP 700-R, A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Corrosive.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

acids and bases.

### 10.4. Conditions to avoid

No additional information available.

### 10.5. Incompatible materials

Metals.

### 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 hazard classes as defined in Regulation (EC) No 1272/2008

|                             |  |
|-----------------------------|--|
| Acute toxicity (oral)       | Not classified   |
| Acute toxicity (dermal)     | Not classified   |
| Acute toxicity (inhalation) | Not classified   |
| Additional information      | Based on available data, the classification criteria are not met |

#### 2-octyl-2H-isothiazol-3-one (26530-20-1)

|                                   |  |
|-----------------------------------|--|
| LD50 oral rat                     | 550 mg/kg (Rat, Literature study, Oral)                                  |
| LD50 oral                         | 355 mg/kg  |
| LD50 dermal rabbit                | 690 mg/kg bodyweight (Rabbit, Literature study, Dermal)                  |
| LD50 dermal                       | 311 mg/kg  |
| LC50 Inhalation - Rat             | > 2 mg/m <sup>3</sup> (4 h, Rat, Literature study, Inhalation (vapours)) |
| LC50 Inhalation - Rat (Dust/Mist) | 0.586 mg/l/4h  |
| ATE CLP (oral)                    | 125 mg/kg bodyweight   |
| ATE CLP (dermal)                  | 311 mg/kg bodyweight   |
| ATE CLP (dust,mist)               | 0.27 mg/l  |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | Not classified<br>pH 4.5 – 7.5                                   |
| Serious eye damage/irritation     | Not classified<br>pH 4.5 – 7.5                                   |
| Respiratory or skin sensitisation | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Germ cell mutagenicity            | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Carcinogenicity                   | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| Reproductive toxicity             | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| STOT-single exposure              | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |
| STOT-repeated exposure            | Not classified   |
| Additional information            | Based on available data, the classification criteria are not met |

# HIT-FP 700-R, A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Aspiration hazard Not classified  
 Additional information Based on available data, the classification criteria are not met

### 11.2. Information on other hazards

No additional information available

## 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

#### 2-octyl-2H-isothiazol-3-one (26530-20-1)

|                      |   |
|----------------------|---|
| LC50 - Fish [1]      | 0.14 mg/l (96 h, Pimephales promelas, Literature study) |
| LC50 - Fish [2]      | 0.05 mg/l (96 h, Oncorhynchus mykiss, Literature study) |
| EC50 - Crustacea [1] | 0.18 mg/l (48 h, Daphnia magna, Literature study)       |
| EC50 - Crustacea [2] | 0.32 mg/l (48 h, Daphnia magna, Literature study)       |
| NOEC chronic fish    | 0.012 mg/l  |

### 12.2. Persistence and degradability

#### HIT-FP 700-R, A

Persistence and degradability Not established.

#### 2-octyl-2H-isothiazol-3-one (26530-20-1)

Persistence and degradability Inherently biodegradable.

### 12.3. Bioaccumulative potential

#### HIT-FP 700-R, A

Bioaccumulative potential Not established.

#### 2-octyl-2H-isothiazol-3-one (26530-20-1)

|   |  |
|---|--|
| BCF - Fish [1]                                  | 1280 (67 day(s), Lepomis macrochirus, Flow-through system, Literature study) |
| Partition coefficient n-octanol/water (Log Pow) | 2.45 (Experimental value)  |
| Bioaccumulative potential                       | Potential for bioaccumulation (500 ≤ BCF ≤ 5000).                            |

### 12.4. Mobility in soil

#### 2-octyl-2H-isothiazol-3-one (26530-20-1)

Ecology - soil No (test)data on mobility of the substance available.

### 12.5. Results of PBT and vPvB assessment

#### HIT-FP 700-R, A

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### Component

|  |   |
|--|---|
| 2-octyl-2H-isothiazol-3-one (26530-20-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
|--|---|

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

Additional information Avoid release to the environment.

## SECTION 13 Disposal considerations

### 13.1. Waste treatment methods

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



# HIT-FP 700-R, A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

European List of Waste (LoW) code

08 04 09\* - waste adhesives and sealants containing organic solvents or other dangerous substances

20 01 27\* - paint, inks, adhesives and resins containing dangerous substances

### SECTION 14: Transport information

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>      |                |                |                |
| 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. Maritime transport in bulk according to IMO instruments

Not applicable

### SECTION 15 Regulatory information

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

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

# HIT-FP 700-R, A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16 Other information

| Full text of H- and EUH-statements: |   |
|-------------------------------------|---|
| Acute Tox. 2 (Inhalation)           | Acute toxicity (inhal.), Category 2                                     |
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3                                     |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3                                       |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1         |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1       |
| EUH071                              | Corrosive to the respiratory tract.                                     |
| EUH208                              | Contains 2-octyl-2H-isothiazol-3-one. May produce an allergic reaction. |
| EUH210                              | Safety data sheet available on request.                                 |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1                           |
| H301                                | Toxic if swallowed.   |
| H311                                | Toxic in contact with skin.   |
| H314                                | Causes severe skin burns and eye damage.                                |
| H317                                | May cause an allergic skin reaction.                                    |
| H318                                | Causes serious eye damage.  |
| H330                                | Fatal if inhaled.   |
| H400                                | Very toxic to aquatic life.   |
| H410                                | Very toxic to aquatic life with long lasting effects.                   |
| Skin Corr. 1                        | Skin corrosion/irritation, Category 1                                   |
| Skin Sens. 1A                       | Skin sensitisation, category 1A   |

SDS\_EU\_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.