# HIT-FP 700-R

Safety information for 2-Component-products

Issue date: 20/05/2025 Revision date: 20/05/2025 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 (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

## 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:

### Classification of the Product

**Classification of the hazardous chemical**

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

| | |
|---|---|
| Skin corrosion/irritation, Category 2 | H315 |
| Serious eye damage/eye irritation, Category 1 | H318 |

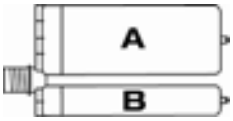
### Label elements

| | |
|---|---|
| Hazard pictograms (GHS AU) |  GHS05 |
| Signal word (GHS AU) | Danger |
| Contains | lithium hydroxide; L-(+)-tartaric acid |
| Hazard statements (GHS AU) | H315 - Causes skin irritation<br>H318 - Causes serious eye damage |
| Precautionary statements (GHS AU) | P280 - Wear eye protection, protective clothing, protective gloves.<br>P262 - Do not get in eyes, on skin, or on clothing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. |

P337+P313 - If eye irritation persists: Get medical advice/attention.
P302+P352 - IF ON SKIN: Wash with plenty of water.

### Additional information

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




| Name | General description | Quantity | Unit | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|---|---|---|---|---|
| HIT-FP 700-R, B | | 1 | pcs (pieces) | Skin Irrit. 2, H315<br>Eye Dam. 1, H318 |

## SECTION 4: General advice

| | |
|---|---|
| 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<br>Notify authorities if liquid enters sewers or public waters<br>Avoid release to the environment<br>Full or only partially emptied cartridges must be disposed of as special waste in accordance with official regulations. |
| 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<br>Avoid contact with skin and eyes<br>Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work<br>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<br>Mechanically recover the product<br>On land, sweep or shovel into suitable containers<br>Store away from other materials. |
| For containment | Collect spillage. |
| Incompatible materials | Sources of ignition<br>Direct sunlight |
| Incompatible products | Strong bases<br>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. |

## 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 the Work Health and Safety (WHS) Regulations

Issue date: 20/05/2025 Revision date: 20/05/2025 Version: 1.0

## SECTION 1: Product identifier

### 1.1. GHS Product identifier

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

### 1.2. Other means of identification

No additional information available

### 1.3. Recommended use of the chemical and restrictions on use

| | |
|---|---|
| Recommended use | Composite mortar component for fasteners in the construction industry |
| Restrictions on use | Professional use |

### 1.4. Details of manufacturer or importer

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

**Department issuing data specification sheet:**
Hilti Entwicklungsgesellschaft mbH
Hiltistraße 6
Kaufering 86916
Deutschland
T +49 8191 906876
product.compliance-anchors@hilti.com

### 1.5. Emergency phone number

Emergency number: Emergency CONTACT (24-Hour-Number):
GBK GmbH Global Regulatory Compliance +49 (0)6132-84463

| Country | Organisation/Company | Address | Emergency number | Comment |
|---|---|---|---|---|
| Australia | NSW Poisons Information Centre The Children's Hospital at Westmead | Locked Bag 4001 NSW 2145 | 13 11 26 | |

## SECTION 2: Hazard identification

### 2.1. Classification of the hazardous chemical

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

| | |
|---|---|
| Skin corrosion/irritation, Category 2 | H315 |
| Serious eye damage/eye irritation, Category 1 | H318 |

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

Hazard pictograms (GHS AU)

Corrosion

| | |
|---|---|
| Signal word (GHS AU) | Danger |
| Contains | lithium hydroxide (1 – 2.5 %) |
| Hazard statements (GHS AU) | H315 - Causes skin irritation<br>H318 - Causes serious eye damage |
| Precautionary statements (GHS AU) | P280 - Wear eye protection, protective clothing, protective gloves.<br>P262 - Do not get in eyes, on skin, or on clothing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>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.

### 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) |
|---|---|---|---|
| citric acid | 77-92-9 | 2.5 – 5 | Eye Irrit. 2A, H319<br>STOT SE 3, H335 |
| Lithium sulphate | 10377-48-7 | 1 – 2.5 | Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2A, H319 |
| lithium hydroxide | 1310-65-2 | 1 – 2.5 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 3 (Inhalation:dust,mist), H331<br>Skin Corr. 1, H314<br>Aquatic Chronic 3, H412 |
| L-(+)-tartaric acid | 87-69-4 | 1 – 2.5 | Not classified |

## 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: 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.

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. 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: Thermal decomposition generates : Carbon monoxide. Carbon dioxide.

### 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. 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. Prevent entry to sewers and public waters.

### 6.3. Methods and materials 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. |

## 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. |
| 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 |

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

No additional information available

### 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 | Safety glasses. Gloves. Protective clothing. Avoid all unnecessary exposure. |
| Hand protection | Protective gloves |
| Eye protection | Chemical goggles or safety glasses |

**Personal protective equipment symbol(s)**

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

## SECTION 9: Physical and chemical properties

| | |
|---|---|
| Physical state | Solid |
| Appearance | Thixotropic paste. |
| Colour | Light grey |
| Odour | characteristic |
| Odour threshold | No data available |
| pH | 11 – 12.5 |
| pH solution | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Melting point / Freezing point | No data available |
| Boiling point | No data available |
| Flash point | No data available |
| Auto-ignition temperature | No data available |
| Flammability | No data available |
| Vapour pressure | No data available |
| Relative density | No data available |
| Density | Density: 2.05 – 2.15 g/cm³ |
| Solubility | No data available |
| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Viscosity, dynamic | 400 – 1000 |
| 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 | No additional information available |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | No additional information available. |
| Conditions to avoid | 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. |

## SECTION 11: Toxicological information

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

| **citric acid (77-92-9)** | |
|---|---|
| LD50 oral rat | 11700 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 7 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)) |

| Lithium sulphate (10377-48-7) | |
|---|---|
| LD50 oral rat | 613 mg/kg bodyweight (Rat, Experimental value, Oral) |
| LD50 oral | 613 mg/kg |
| LD50 dermal rabbit | > 3000 mg/kg |

| lithium hydroxide (1310-65-2) | |
|---|---|
| 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/m³ |
| LC50 Inhalation - Rat (Dust/Mist) | 0.96 mg/l/4h |

| L-(+)-tartaric acid (87-69-4) | |
|---|---|
| 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)) |

| | |
|---|---|
| Skin corrosion/irritation | Causes skin irritation.<br>pH: 11 – 12.5 |
| Serious eye damage/irritation | Causes serious eye damage.<br>pH: 11 – 12.5 |
| Respiratory or skin sensitisation | Not classified |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Not classified |
| STOT-single exposure | Not classified |

| citric acid (77-92-9) | |
|---|---|
| STOT-single exposure | May cause respiratory irritation. |

| | |
|---|---|
| STOT-repeated exposure | Not classified |
| Aspiration hazard | Not classified |
| Potential adverse human health effects and symptoms | No additional information available |

## SECTION 12: Ecological information

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

| | | |
|---|---|---|
| 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. |

| citric acid (77-92-9) | |
|---|---|
| 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) |
| Partition coefficient n-octanol/water (Log Pow) | -1.8 – -1.55 (Experimental value) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |

| Lithium sulphate (10377-48-7) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -4.38 (Calculated, 20 °C) |

| lithium hydroxide (1310-65-2) | |
|---|---|
| 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) |

| L-(+)-tartaric acid (87-69-4) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -1.91 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |

## 12.2. Persistence and degradability

| HIT-FP 700-R, B | |
|---|---|
| Persistence and degradability | Not established. |

| citric acid (77-92-9) | |
|---|---|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.42 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 0.728 g $O_2$/g substance |
| ThOD | 0.686 g $O_2$/g substance |

| Lithium sulphate (10377-48-7) | |
|---|---|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

| lithium hydroxide (1310-65-2) | |
|---|---|
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |

| L-(+)-tartaric acid (87-69-4) | |
|---|---|
| Persistence and degradability | Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.35 g $O_2$/g substance |
| Chemical oxygen demand (COD) | 0.42 g $O_2$/g substance |
| ThOD | 0.53 g $O_2$/g substance |

## 12.3. Bioaccumulative potential

| HIT-FP 700-R, B | |
|---|---|
| Bioaccumulative potential | Not established. |

| citric acid (77-92-9) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -1.8 – -1.55 (Experimental value) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Bioaccumulative potential | Not bioaccumulative. |

| Lithium sulphate (10377-48-7) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -4.38 (Calculated, 20 °C) |
| Bioaccumulative potential | Not bioaccumulative. |

| lithium hydroxide (1310-65-2) | |
|---|---|
| Bioaccumulative potential | Not bioaccumulative. |

| L-(+)-tartaric acid (87-69-4) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | -1.91 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Bioaccumulative potential | Not bioaccumulative. |

## 12.4. Mobility in soil

| citric acid (77-92-9) | |
|---|---|
| Surface tension | No data available in the literature |
| Ecology - soil | Highly mobile in soil. |
| Partition coefficient n-octanol/water (Log Pow) | -1.8 – -1.55 (Experimental value) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |

| Lithium sulphate (10377-48-7) | |
|---|---|
| Ecology - soil | No (test)data on mobility of the substance available. |
| Partition coefficient n-octanol/water (Log Pow) | -4.38 (Calculated, 20 °C) |

| lithium hydroxide (1310-65-2) | |
|---|---|
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for adsorption in soil. |

| L-(+)-tartaric acid (87-69-4) | |
|---|---|
| Surface tension | No data available in the literature |
| Ecology - soil | Highly mobile in soil. |
| Partition coefficient n-octanol/water (Log Pow) | -1.91 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |

### 12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

| HIT-FP 700-R, B | |
|---|---|
| Fluorinated greenhouse gases | False |

| citric acid (77-92-9) | |
|---|---|
| Fluorinated greenhouse gases | False |

| Lithium sulphate (10377-48-7) | |
|---|---|
| Fluorinated greenhouse gases | False |

| lithium hydroxide (1310-65-2) | |
|---|---|
| Fluorinated greenhouse gases | False |

| L-(+)-tartaric acid (87-69-4) | |
|---|---|
| Fluorinated greenhouse gases | False |

## SECTION 13: Disposal considerations

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. After curing, the product can be disposed of with household waste.

Ecological information: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with IMDG / IATA / ADN / RID

| IMDG | IATA | ADN | RID |
|---|---|---|---|
| **14.1. UN number or ID number** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.2. UN proper shipping name** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.3. Transport hazard class(es)** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.4. Packing group** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | | |
| 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

**Australian Industrial Chemicals Introduction Scheme (AICIS)**

| | |
|---|---|
| Australian Inventory of Industrial Chemicals (AICIS Inventory) status | All the chemicals contained in this product are listed introductions |

### 15.2. International agreements
No additional information available

## SECTION 16: Other information

| | |
|---|---|
| Abbreviations and acronyms | ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways<br>ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road<br>ATE - Acute Toxicity Estimate<br>BCF - Bioconcentration factor<br>BOD - Biochemical oxygen demand (BOD)<br>COD - Chemical oxygen demand (COD)<br>DNEL - Derived-No Effect Level<br>EC-No. - European Community number<br>EC50 - Median effective concentration<br>IATA - International Air Transport Association<br>IMDG - International Maritime Dangerous Goods<br>LC50 - Median lethal concentration<br>LD50 - Median lethal dose<br>NOEC - No-Observed Effect Concentration<br>OECD - Organisation for Economic Co-operation and Development<br>PBT - Persistent Bioaccumulative Toxic<br>PNEC - Predicted No-Effect Concentration<br>REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006<br>RID - Regulations concerning the International Carriage of Dangerous Goods by Rail<br>SDS - Safety Data Sheet<br>ThOD - Theoretical oxygen demand (ThOD)<br>vPvB - Very Persistent and Very Bioaccumulative<br>ED - Endocrine disrupting properties |
| Revision date | 20/05/2025 |
| Other information | None. |

| Classification | |
|---|---|
| Skin Irrit. 2 | H315 |
| Eye Dam. 1 | H318 |

| Full text of H-statements | |
|---|---|
| Acute Tox. 3 (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. 2A | Serious eye damage/eye irritation, Category 2A |
| Skin Corr. 1 | Skin corrosion/irritation, Category 1 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |
| 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 |

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.

# HIT-FP 700-R, A

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Issue date: 20/05/2025 Revision date: 20/05/2025 Version: 1.0

## SECTION 1: Product identifier

### 1.1. GHS Product identifier

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

### 1.2. Other means of identification

No additional information available

### 1.3. Recommended use of the chemical and restrictions on use

| | |
|---|---|
| Recommended use | Composite mortar component for fasteners in the construction industry |
| Restrictions on use | Professional use |

### 1.4. Details of manufacturer or importer

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

**Department issuing data specification sheet:**
Hilti Entwicklungsgesellschaft mbH
Hiltistraße 6
Kaufering 86916
Deutschland
T +49 8191 906876
product.compliance-anchors@hilti.com

### 1.5. Emergency phone number

Emergency number: Emergency CONTACT (24-Hour-Number):
GBK GmbH Global Regulatory Compliance +49 (0)6132-84463

| Country | Organisation/Company | Address | Emergency number | Comment |
|---|---|---|---|---|
| Australia | NSW Poisons Information Centre The Children's Hospital at Westmead | Locked Bag 4001 NSW 2145 | 13 11 26 | |

## 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

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

### 4.2. Symptoms caused by exposure

| | |
|---|---|
| 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. Medical attention and special treatment

| | |
|---|---|
| Other medical advice or treatment | No additional information available. |

## SECTION 5: Fire-fighting 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. Specific hazards arising from the chemical

| | |
|---|---|
| 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. Special protective equipment and precautions for fire-fighters

| | |
|---|---|
| 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 materials 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. |

## 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. |

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

| HIT-FP 700-R, A | |
|---|---|
| **Australia - Occupational Exposure Limits** | |
| Local name | Phosphoric acid (Orthophosphoric acid) |
| OES TWA | 1 mg/m³ |
| OES STEL | 3 mg/m³ |
| Regulatory reference | Workplace exposure standards for airborne contaminants (2022) |

### 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 | Safety glasses. Gloves. Protective clothing. Avoid all unnecessary exposure. |
| Hand protection | Protective gloves |
| Eye protection | Chemical goggles or safety glasses |

**Personal protective equipment symbol(s)**

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

## SECTION 9: Physical and chemical properties

| | |
|---|---|
| Physical state | Solid |
| Appearance | Thixotropic paste. |
| Colour | Light grey |
| Odour | odourless |
| Odour threshold | No data available |
| pH | 4.5 – 7.5 |
| pH solution | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Melting point / Freezing point | No data available |
| Boiling point | No data available |

| | |
|---|---|
| Flash point | No data available |
| Auto-ignition temperature | No data available |
| Flammability | No data available |
| Vapour pressure | No data available |
| Relative density | No data available |
| Density | Density: 2.05 – 2.15 g/cm³ |
| Solubility | No data available |
| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Viscosity, dynamic | 180 – 500 |
| 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 | Corrosive. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | No additional information available |
| Conditions to avoid | No additional information available. |
| Incompatible materials | No additional information available |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## SECTION 11: Toxicological information

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

## SECTION 12: Ecological information

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

| | | |
|---|---|---|
| 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. |

### 12.2. Persistence and degradability

| HIT-FP 700-R, A | |
|---|---|
| Persistence and degradability | Not established. |

### 12.3. Bioaccumulative potential

| HIT-FP 700-R, A | |
|---|---|
| Bioaccumulative potential | Not established. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

| HIT-FP 700-R, A | |
|---|---|
| Fluorinated greenhouse gases | False |

## SECTION 13: Disposal considerations

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. After curing, the product can be disposed of with household waste.

Ecological information: Avoid release to the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

| ADR | IMDG | IATA | RID |
|---|---|---|---|
| **14.1. UN number or ID number** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.2. UN proper shipping name** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.3. Transport hazard class(es)** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.4. Packing group** | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| **14.5. Environmental hazards** | | | |
| 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

**Australian Industrial Chemicals Introduction Scheme (AICIS)**

| | |
|---|---|
| Australian Inventory of Industrial Chemicals (AICIS Inventory) status | All the chemicals contained in this product are listed introductions |

### 15.2. International agreements
No additional information available

## SECTION 16: Other information

Abbreviations and acronyms

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
BOD - Biochemical oxygen demand (BOD)
COD - Chemical oxygen demand (COD)
DNEL - Derived-No Effect Level
EC-No. - European Community number
EC50 - Median effective concentration
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Median lethal concentration
LD50 - Median lethal dose
NOEC - No-Observed Effect Concentration
OECD - Organisation for Economic Co-operation and Development
PBT - Persistent Bioaccumulative Toxic
PNEC - Predicted No-Effect Concentration
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS - Safety Data Sheet
ThOD - Theoretical oxygen demand (ThOD)
vPvB - Very Persistent and Very Bioaccumulative
ED - Endocrine disrupting properties

Revision date: 20/05/2025

| Classification | |
|---|---|
| Not classified | |

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.