

# HUS4-MAX

## Safety information for 2-Component-products

Issue date: 22/06/2022

Revision date: 22/06/2022

Version: 1.0

### SECTION 1: Kit identification

#### 1.1 Product identifier

|              |   |
|--------------|---|
| Product name | HUS4-MAX  |
|              |  |
| 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](mailto:serviceaustralia@hilti.com)

### SECTION 2: General information

|                     |                                    |
|---------------------|------------------------------------|
| Restrictions on use | For professional use only          |
| Storage             | Storage temperature : -20 - +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

##### 2.1. Classification of the hazardous chemical

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

|  |      |
|--|------|
| Organic Peroxides, Type F                      | H242 |
| Serious eye damage/eye irritation, Category 2A | H319 |
| Skin sensitisation, Category 1                 | H317 |

##### 2.2. Label elements

Hazard pictograms (GHS AU)



GHS02

GHS07

Signal word (GHS AU)

Warning

Hazard statements (GHS AU)

H242 - Heating may cause a fire  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation

Precautionary statements (GHS AU)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 - Wear eye protection, protective clothing, protective gloves.  
P262 - Do not get in eyes, on skin, or on clothing.

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## Safety information for 2-Component-products

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.

### 2.3. Other hazards not contributing to the classification

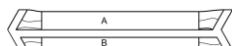
No additional information available

### Additional information

Foil capsule contains:

Component A: Urethane methacrylate resin

Component B: Dibenzoyl peroxide, phlegmatized



| Name        | General description | Quantity | Unit         | Classification according to the model Work Health and Safety Regulations (WHS Regulations) |
|-------------|---------------------|----------|--------------|--|
| HUS4-MAX, A |                     | 1        | pcs (pieces) | Skin Sens. 1, H317   |
| HUS4-MAX, B |                     | 1        | pcs (pieces) | Org. Perox. F, H242<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317                           |

## 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  
 Notify authorities if liquid enters sewers or public waters

Storage conditions

Keep container tightly closed.  
 Keep cool. Protect from sunlight.  
 Avoid contact with : Air  
 Expiry date: See date printed on box and capsule. Do not use if expiry date has been exceeded!  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Precautions for safe handling

Wear personal protective equipment  
 Avoid contact with skin and eyes  
 Avoid breathing dust, vapours.  
 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  
 Prevent the build-up of electrostatic charge  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Methods for cleaning up

Stop leak without risks if possible  
 Use non-sparking tools  
 Absorb and/or contain spill with inert material, then place in suitable container.  
 This material and its container must be disposed of in a safe way, and as per local legislation

For containment

Collect spillage.

Incompatible materials

Strong acids  
 Strong bases  
 Activator  
 reducing agents  
 solid salts and solutions containing heavy metals

# HUS4-MAX

## Safety information for 2-Component-products

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### SECTION 6: First aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures after eye contact  | Rinse immediately with plenty of water<br>Remove contact lenses, if present and easy to do. Continue rinsing.<br>Obtain medical attention if pain, blinking or redness persists     |
| First-aid measures after ingestion    | Rinse mouth<br>Get medical advice/attention.<br>Do not induce vomiting<br>Obtain emergency medical attention  |
| First-aid measures after inhalation   | Remove person to fresh air and keep comfortable for breathing.<br>Allow affected person to breathe fresh air<br>Allow the victim to rest  |
| First-aid measures after skin contact | Wash contaminated clothing before reuse.<br>Wash with plenty of water/...<br>If skin irritation or rash occurs: Get medical advice/attention.                                       |
| First-aid measures general            | Take off immediately all contaminated clothing.<br>Never give anything by mouth to an unconscious person<br>If you feel unwell, seek medical advice (show the label where possible) |
| Symptoms/effects after eye contact    | May cause severe irritation   |
| 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

# HUS4-MAX, B

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

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### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

|              |             |
|--------------|-------------|
| Product form | Mixture     |
| Trade name   | HUS4-MAX, 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     | Adhesive anchor capsule for anchor fastening in concrete |
| Restrictions on use | For professional use only                                |

#### 1.4. Details of manufacturer or importer

##### Supplier

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

##### Department issuing data specification sheet:

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

#### 1.5. Emergency phone number

|                  |                 |
|------------------|-----------------|
| Emergency number | +61 2 8748 1000 |
|------------------|-----------------|

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

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

|  |      |
|--|------|
| Organic Peroxides, Type F                      | H242 |
| Serious eye damage/eye irritation, Category 2A | H319 |
| Skin sensitisation, Category 1                 | H317 |

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

Hazard pictograms (GHS AU)



Signal word (GHS AU)

Warning

Contains

dibenzoyl peroxide (10 – 25 %)

Hazard statements (GHS AU)

H242 - Heating may cause a fire  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation

Precautionary statements (GHS AU)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
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.

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### 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) |
|--------------------|---------|---------|--|
| dibenzoyl peroxide | 94-36-0 | 10 – 25 | Org. Perox. B, H241<br>Eye Irrit. 2A, H319<br>Skin Sens. 1, H317                           |

## SECTION 4: First aid measures

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

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | Take off immediately all contaminated clothing. 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   | Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.  |
| First-aid measures after skin contact | Wash contaminated clothing before reuse. Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention.  |
| First-aid measures after eye contact  | Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.           |
| First-aid measures after ingestion    | If swallowed, seek medical advice immediately and show this container or label.   |

### 4.2. Symptoms caused by exposure

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Symptoms/effects after skin contact | May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | Causes serious eye irritation.       |

### 4.3. Medical attention and special treatment

|                                   |                        |
|-----------------------------------|------------------------|
| Other medical advice or treatment | Treat symptomatically. |
|-----------------------------------|------------------------|

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

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

### 5.2. Specific hazards arising from the chemical

|  |   |
|--|---|
| Fire hazard                                      | May form flammable vapour-air mixtures. May decompose violently at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Will float and can be reignited on water surface. |
| Explosion hazard                                 | Vapours may form explosive mixture with air.  |
| General measures                                 | Spilled material may present a slipping hazard.   |
| Hazardous decomposition products in case of fire | Formation of toxic gases is possible during heating or in case of fire. Corrosive vapours. Thermal decomposition can lead to the release of irritating gases and vapours.   |

### 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.                                   |

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|   |   |
|---|---|
| General measures                          | Spilled material may present a slipping hazard.   |
| <b>6.1.1. For non-emergency personnel</b> |   |
| Protective equipment                      | Wear recommended personal protective equipment.   |
| Emergency procedures                      | Evacuate unnecessary personnel. No flames, no sparks. Eliminate all sources of ignition. Explosive vapour/air mixtures may be formed. |
| <b>6.1.2. For emergency responders</b>    |   |
| 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. Notify authorities if liquid enters sewers or public waters.

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

|                         |  |
|-------------------------|--|
| For containment         | Collect spillage.  |
| Methods for cleaning up | Stop leak without risks if possible. Use non-sparking tools. Absorb and/or contain spill with inert material, then place in suitable container. This material and its container must be disposed of in a safe way, and as per local legislation. |

### 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. Avoid breathing dust, vapours. 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. Prevent the build-up of electrostatic charge. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Hygiene measures              | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.  |

#### 7.2. Conditions for safe storage, including any incompatibilities

|                           |   |
|---------------------------|---|
| Technical measures        | Comply with applicable regulations.   |
| Storage conditions        | Keep container tightly closed. Keep cool. Protect from sunlight. Avoid contact with : Air. Store away from other materials. Expiry date: See date printed on box and capsule. Do not use if expiry date has been exceeded!. |
| Incompatible materials    | Strong acids. Strong bases. Activator. reducing agents. solid salts and solutions containing heavy metals.  |
| Storage temperature       | -20 – 25 °C   |
| Heat and ignition sources | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  |

### SECTION 8: Exposure controls and personal protection

#### 8.1. Control parameters - exposure standards

| HUS4-MAX, B                              |   |
|--|---|
| Australia - Occupational Exposure Limits |   |
| Local name                               | Benzoyl peroxide (Dibenzoyl peroxide)                         |
| OES TWA [1]                              | 5 mg/m <sup>3</sup>   |
| Remark (AU)                              | Sen - Respiratory and/or Skin Sensitiser.                     |
| Regulatory reference                     | Workplace exposure standards for airborne contaminants (2019) |

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### 8.2. Biological Monitoring

No additional information available

### 8.3. Engineering controls

Appropriate engineering controls

Ensure adequate ventilation.

### 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

Wear protective gloves. The permeation time is not the maximum wearing time! Generally speaking, it must be reduced. Contact with either mixtures of substances or different substances may shorten the protective function's effective duration.

| Type              | Material             | Permeation        | Thickness (mm) | Penetration | Standard   |
|-------------------|----------------------|-------------------|----------------|-------------|------------|
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0,12           |             | EN ISO 374 |

Eye protection

Wear security glasses which protect from splashes

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

Skin and body protection

Long sleeved protective clothing

Personal protective equipment symbol(s)



Environmental exposure controls

Avoid release to the environment.

Consumer exposure controls

Avoid contact during pregnancy/while nursing.

Other information

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

|   |                                  |
|---|----------------------------------|
| Physical state                                  | Liquid                           |
| Appearance                                      | No data available                |
| Colour  | white                            |
| Odour   | characteristic                   |
| Odour threshold                                 | No data available                |
| pH  | ≈ 7                              |
| 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 (solid, gas)                       | No data available                |
| Vapour pressure                                 | Vapour pressure : 23.4 hPa       |
| Relative density                                | No data available                |
| Density   | Density : 1.03 g/cm <sup>3</sup> |
| Solubility                                      | insoluble in water.              |
| Partition coefficient n-octanol/water (Log Pow) | No data available                |
| Viscosity, kinematic                            | 0 mm <sup>2</sup> /s             |
| Viscosity, dynamic                              | 200 mPa.s                        |

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|                         |                           |
|-------------------------|---------------------------|
| Explosive properties    | Product is not explosive. |
| Explosive limits        | No data available         |
| Minimum ignition energy | No data available         |
| SADT                    | 70 °C                     |
| Fat solubility          | No data available         |

### SECTION 10: Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | Stable under recommended handling and storage conditions (see section 7).  |
| Chemical stability                 | Stable under normal conditions. Stable under recommended handling and storage conditions (see section 7).  |
| Possibility of hazardous reactions | Can form explosive mixtures with air.  |
| Conditions to avoid                | May decompose violently at elevated temperatures or in a fire. Burns vigorously. Insoluble in water. Contact with alkalis or acids may cause dangerous decomposition. The products of combustion or self-accelerating decomposition may be toxic by inhalation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| Incompatible materials             | Strong acids. Strong bases. Activator. reducing agents. solid salts and solutions containing heavy metals.   |
| Hazardous decomposition products   | Toxic and corrosive gases are released. Toxic and corrosive fumes are released.  |

### 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: ≈ 7                 |
| Serious eye damage/irritation     | Causes serious eye irritation.<br>pH: ≈ 7 |
| Respiratory or skin sensitisation | May cause an allergic skin reaction.      |
| 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                            |

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|                      |                      |
|----------------------|----------------------|
| Viscosity, kinematic | 0 mm <sup>2</sup> /s |
|----------------------|----------------------|

### 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 |



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| <b>dibenzoyl peroxide (94-36-0)</b>                        |  |
|--|--|
| LC50 - Fish [2]  | 0.0602 mg/l (96h; Oncorhynchus mykiss; ECHA)   |
| EC50 - Crustacea [1]                                       | 0.11 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)  |
| ErC50 algae  | 0.0711 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)                             |
| NOEC (acute)   | 0.0316 mg/l (96h; Oncorhynchus mykiss; ECHA)   |
| NOEC chronic fish  | 0.001 mg/l   |
| Partition coefficient n-octanol/water (Log Pow)            | 3.71   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value) |

### 12.2. Persistence and degradability

| <b>dibenzoyl peroxide (94-36-0)</b> |  |
|-------------------------------------|--|
| Persistence and degradability       | Readily biodegradable in water. Not established. May cause long-term adverse effects in the environment. |

### 12.3. Bioaccumulative potential

| <b>dibenzoyl peroxide (94-36-0)</b>                        |  |
|--|--|
| Partition coefficient n-octanol/water (Log Pow)            | 3.71   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value) |
| Bioaccumulative potential                                  | Low bioaccumulation potential (Log Kow < 4).   |

### 12.4. Mobility in soil

| <b>dibenzoyl peroxide (94-36-0)</b>                        |  |
|--|--|
| Surface tension  | No data available (test not performed)   |
| Partition coefficient n-octanol/water (Log Pow)            | 3.71   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | See section 12.1 on ecotoxicology 3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value) |
| Ecology - soil   | Low potential for mobility in soil.  |

### 12.5. Other adverse effects

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

| <b>HUS4-MAX, B</b>           |       |
|------------------------------|-------|
| Fluorinated greenhouse gases | False |

| <b>dibenzoyl peroxide (94-36-0)</b> |       |
|-------------------------------------|-------|
| Fluorinated greenhouse gases        | False |

## SECTION 13: Disposal considerations

|  |  |
|--|--|
| Regional legislation (waste)               | Disposal must be done according to official regulations.   |
| Product/Packaging disposal recommendations | After curing, the product can be disposed of with household waste. . Full or only partially emptied cartridges must be disposed of as special waste in accordance with official regulations. Packaging contaminated by the product : Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials                  | Avoid release to the environment.  |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

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according to the Work Health and Safety (WHS) Regulations

| ADR   | IMDG  | IATA   | RID  |
|---|---|--|--|
| <b>14.1. UN number or ID number</b>   |   |  |  |
| UN 3109   | UN 3109   | UN 3109  | UN 3109  |
| <b>14.2. UN proper shipping name</b>  |   |  |  |
| ORGANIC PEROXIDE TYPE F, LIQUID (dibenzoyl peroxide)  | ORGANIC PEROXIDE TYPE F, LIQUID (dibenzoyl peroxide)  | Organic peroxide type f, liquid (dibenzoyl peroxide)   | ORGANIC PEROXIDE TYPE F, LIQUID (dibenzoyl peroxide)   |
| Transport document description  |   |  |  |
| UN 3109 ORGANIC PEROXIDE TYPE F, LIQUID (dibenzoyl peroxide), 5.2, (D), ENVIRONMENTALLY HAZARDOUS | UN 3109 ORGANIC PEROXIDE TYPE F, LIQUID (dibenzoyl peroxide), 5.2, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | UN 3109 Organic peroxide type f, liquid (dibenzoyl peroxide), 5.2, ENVIRONMENTALLY HAZARDOUS | UN 3109 ORGANIC PEROXIDE TYPE F, LIQUID (dibenzoyl peroxide), 5.2, ENVIRONMENTALLY HAZARDOUS |
| <b>14.3. Transport hazard class(es)</b>   |   |  |  |
| 5.2   | 5.2   | 5.2  | 5.2  |
|   |   |  |  |
| <b>14.4. Packing group</b>  |   |  |  |
| Not applicable  | Not applicable  | Not applicable   | Not applicable   |
| <b>14.5. Environmental hazards</b>  |   |  |  |
| Dangerous for the environment: Yes  | Dangerous for the environment: Yes<br>Marine pollutant: Yes   | Dangerous for the environment: Yes   | Dangerous for the environment: Yes   |
| No supplementary information available  |   |  |  |

### 14.6. Special precautions for user

#### Overland transport

|                                |              |
|--------------------------------|--------------|
| Classification code (ADR)      | P1           |
| Special provisions (ADR)       | 122, 274     |
| Limited quantities (ADR)       | 125ml        |
| Packing instructions (ADR)     | P520, IBC520 |
| Mixed packing provisions (ADR) | MP4          |
| Transport category (ADR)       | 2            |
| Orange plates                  | <br>         |

Tunnel restriction code (ADR) D

#### Transport by sea

|                             |                  |
|-----------------------------|------------------|
| Special provisions (IMDG)   | 122, 274         |
| Packing instructions (IMDG) | P520             |
| EmS-No. (Fire)              | F-J              |
| EmS-No. (Spillage)          | S-R              |
| Stowage category (IMDG)     | D                |
| Stowage and handling (IMDG) | SW1              |
| Segregation (IMDG)          | SG35, SG36, SG72 |

#### Air transport

PCA packing instructions (IATA) 570

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|                                 |                 |
|---------------------------------|-----------------|
| PCA max net quantity (IATA)     | 10L             |
| CAO packing instructions (IATA) | 570             |
| Special provisions (IATA)       | A20, A150, A802 |

### Rail transport

|                            |              |
|----------------------------|--------------|
| Special provisions (RID)   | 122, 274     |
| Packing instructions (RID) | P520, IBC520 |

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

Not applicable

### 14.8. Hazchem or Emergency Action Code

Hazchem Code Not applicable

## SECTION 15: Regulatory information

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

#### 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

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## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

### Abbreviations and acronyms

CAS-No. - Chemical Abstract Service number  
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE - Acute Toxicity Estimate  
 BCF - Bioconcentration factor  
 BLV - Biological limit value  
 BOD - Biochemical oxygen demand (BOD)  
 CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
 COD - Chemical oxygen demand (COD)  
 DMEL - Derived Minimal Effect level  
 DNEL - Derived-No Effect Level  
 EC50 - Median effective concentration  
 EC-No. - European Community number  
 ED - Endocrine disrupting properties  
 EN - European Standard  
 IARC - International Agency for Research on Cancer  
 IATA - International Air Transport Association  
 IMDG - International Maritime Dangerous Goods  
 IOELV - Indicative Occupational Exposure Limit Value  
 LC50 - Median lethal concentration  
 LD50 - Median lethal dose  
 LOAEL - Lowest Observed Adverse Effect Level  
 N.O.S. - Not Otherwise Specified  
 NOAEC - No-Observed Adverse Effect Concentration  
 NOAEL - No-Observed Adverse Effect Level  
 NOEC - No-Observed Effect Concentration  
 OECD - Organisation for Economic Co-operation and Development  
 OEL - Occupational Exposure Limit  
 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)  
 TRGS - Technical Rules for Hazardous Substances  
 VOC - Volatile Organic Compounds  
 TLM - Median Tolerance Limit  
 vPvB - Very Persistent and Very Bioaccumulative  
 WGK - Water Hazard Class

Revision date

22/06/2022

Other information

None.

### Classification:

|               |      |
|---------------|------|
| Org. Perox. F | H242 |
| Eye Irrit. 2A | H319 |
| Skin Sens. 1  | H317 |

### Full text of H-statements:

|               |  |
|---------------|--|
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Org. Perox. B | Organic Peroxides, Type B                      |
| Org. Perox. F | Organic Peroxides, Type F                      |
| Skin Sens. 1  | Skin sensitisation, Category 1                 |
| H241          | Heating may cause a fire or explosion          |



# HUS4-MAX, B

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

|      |                                     |
|------|-------------------------------------|
| H242 | Heating may cause a fire            |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation       |

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.*

# HUS4-MAX, A

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

Issue date: 22/06/2022

Revision date: 22/06/2022

Version: 1.0

### SECTION 1: Product identifier

#### 1.1. GHS Product identifier

|              |             |
|--------------|-------------|
| Product form | Mixture     |
| Trade name   | HUS4-MAX, 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     | Adhesive anchor capsule for anchor fastening in concrete |
| Restrictions on use | For professional use only                                |

#### 1.4. Details of manufacturer or importer

##### Supplier

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

##### Department issuing data specification sheet:

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

#### 1.5. Emergency phone number

|                  |                 |
|------------------|-----------------|
| Emergency number | +61 2 8748 1000 |
|------------------|-----------------|

### SECTION 2: Hazard identification

#### 2.1. Classification of the hazardous chemical

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

Skin sensitisation, Category 1 H317

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

Hazard pictograms (GHS AU)



Signal word (GHS AU)

Warning

Contains

2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (60 – 80 %); 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (0.1 – 1 %); 4-tert-butylpyrocatechol (0.1 – 1 %)

Hazard statements (GHS AU)

H317 - May cause an allergic skin reaction

Precautionary statements (GHS AU)

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.

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

No additional information available

### SECTION 3: Composition and information on ingredients

# HUS4-MAX, A

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

| Name  | CAS-No.    | %       | Classification according to the model Work Health and Safety Regulations (WHS Regulations)  |
|---|------------|---------|---|
| 2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester           | 2082-81-7  | 60 – 80 | Skin Sens. 1B, H317   |
| 1,1'-(p-tolylimino)dipropan-2-ol                            | 38668-48-3 | 1 – 2.5 | Acute Tox. 2 (Oral), H300<br>Eye Irrit. 2A, H319  |
| 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol | 27813-02-1 | 0.1 – 1 | Eye Irrit. 2A, H319<br>Skin Sens. 1, H317   |
| 4-tert-butylpyrocatechol                                    | 98-29-3    | 0.1 – 1 | Acute Tox. 4 (Oral), H302<br>Acute Tox. 3 (Dermal), H311<br>Skin Corr. 1B, H314<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

### SECTION 4: First aid measures

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

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | Take off immediately all contaminated clothing. 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   | Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest.  |
| First-aid measures after skin contact | Wash contaminated clothing before reuse. Wash with plenty of water/.... If skin irritation or rash occurs: Get medical advice/attention.  |
| First-aid measures after eye contact  | Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.     |
| First-aid measures after ingestion    | Rinse mouth. Get medical advice/attention. Do not induce vomiting. Obtain emergency medical attention.  |

#### 4.2. Symptoms caused by exposure

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Symptoms/effects after skin contact | May cause an allergic skin reaction. |
| Symptoms/effects after eye contact  | May cause severe irritation.         |

#### 4.3. Medical attention and special treatment

|                                   |                        |
|-----------------------------------|------------------------|
| Other medical advice or treatment | Treat symptomatically. |
|-----------------------------------|------------------------|

### SECTION 5: Fire-fighting measures

#### 5.1. Extinguishing media

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

#### 5.2. Specific hazards arising from the chemical

|  |  |
|--|--|
| General measures                                 | Spilled material may present a slipping hazard.                    |
| Hazardous decomposition products in case of fire | Thermal decomposition generates : Carbon dioxide. Carbon monoxide. |

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |   |
|--------------------------------|---|
| Firefighting instructions      | Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. |
| Protection during firefighting | Self-contained breathing apparatus. Do not enter fire area without proper protective equipment, including respiratory protection.                                   |

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|   |   |
|---|---|
| General measures                          | Spilled material may present a slipping hazard.   |
| <b>6.1.1. For non-emergency personnel</b> |   |
| Emergency procedures                      | Evacuate unnecessary personnel.   |
| <b>6.1.2. For emergency responders</b>    |   |
| 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. Notify authorities if liquid enters sewers or public waters.

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

|                         |   |
|-------------------------|---|
| For containment         | Collect spillage.   |
| 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. 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.  |

#### 7.2. Conditions for safe storage, including any incompatibilities

|                           |  |
|---------------------------|--|
| Storage conditions        | Keep cool. Protect from sunlight. Expiry date: See date printed on box and capsule. Do not use if expiry date has been exceeded! |
| Incompatible products     | Strong bases. Strong acids.  |
| Incompatible materials    | Sources of ignition. Direct sunlight.  |
| Storage temperature       | -20 – 25 °C  |
| Heat and ignition sources | Keep away from heat and direct sunlight.   |

### 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

|                                  |  |
|----------------------------------|--|
| Appropriate engineering controls | Ensure good ventilation of the work station. |
|----------------------------------|--|

#### 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               | Wear protective gloves. The permeation time is not the maximum wearing time! Generally speaking, it must be reduced. Contact with either mixtures of substances or different substances may shorten the protective function's effective duration. |





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|                                  |   |
|----------------------------------|---|
| Conditions to avoid              | Direct sunlight. Extremely high or low temperatures.  |
| Incompatible materials           | Strong acids. Strong bases.   |
| Hazardous decomposition products | fume. Carbon monoxide. Carbon dioxide. 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 |

| 2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (2082-81-7) |              |
|---|--------------|
| LD50 oral rat   | 10066 mg/kg  |
| LD50 dermal rat   | > 3000 mg/kg |

| 1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3) |              |
|---|--------------|
| LD50 oral rat                                 | 25 mg/kg     |
| LD50 dermal rat                               | > 2000 mg/kg |

| 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1) |   |
|--|---|
| LD50 oral rat  | > 5000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; >=2000 mg/kg bodyweight; Rat; Experimental value) |
| LD50 dermal rabbit   | ≥ 5000 mg/kg bodyweight (Rabbit; Experimental value)  |

| 4-tert-butylpyrocatechol (98-29-3) |   |
|------------------------------------|---|
| LD50 oral rat                      | 815 mg/kg bodyweight (Rat; Lethal; ECHA)  |
| LD50 oral                          | 2820 mg/kg                                |
| LD50 dermal rat                    | 1331 mg/kg bodyweight (Rat; Lethal; ECHA) |
| LD50 dermal                        | 630 mg/kg                                 |

|                                   |                                      |
|-----------------------------------|--------------------------------------|
| Skin corrosion/irritation         | Not classified<br>pH: 5.7            |
| Serious eye damage/irritation     | Not classified<br>pH: 5.7            |
| Respiratory or skin sensitisation | May cause an allergic skin reaction. |
| 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                       |

| HUS4-MAX, A          |                           |
|----------------------|---------------------------|
| Viscosity, kinematic | 160.55 mm <sup>2</sup> /s |

### 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 |

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| <b>2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (2082-81-7)</b>            |  |
|---|--|
| LC50 - Other aquatic organisms [1]  | 9.79 mg/l  |
| NOEC (acute)  | 7.51 mg/l  |
| NOEC (chronic)  | 20 mg/l  |
| Partition coefficient n-octanol/water (Log Pow)                                 | 3.1  |
| <b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b>                            |  |
| LC50 - Fish [1]   | ≈ 17 mg/l  |
| LC50 - Other aquatic organisms [1]  | 245 mg/l   |
| EC50 - Crustacea [1]  | 28.8 mg/l  |
| NOEC (acute)  | 57.8 mg/l  |
| Partition coefficient n-octanol/water (Log Kow)                                 | 2.1  |
| <b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b> |  |
| LC50 - Fish [1]   | 493 mg/l (48 h; Leuciscus idus; GLP)   |
| EC50 - Crustacea [1]  | > 143 mg/l (48 h; Daphnia magna; GLP)  |
| ErC50 algae   | 97.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)                                     |
| BCF - Fish [1]  | ≤ 100  |
| BCF - Fish [2]  | 3.2 Quantitative structure-activity relationship (QSAR)  |
| Partition coefficient n-octanol/water (Log Pow)                                 | 0.97 (OECD 102 method)   |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                      | 1.9 (log Koc, Calculated value)  |
| Threshold limit - Algae [1]   | > 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)   |
| Threshold limit - Algae [2]   | > 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)   |
| <b>4-tert-butylpyrocatechol (98-29-3)</b>                                       |  |
| LC50 - Fish [1]   | 0.12 mg/l (96 h, Danio rerio, Lethal, ECHA)  |
| ErC50 algae   | 10.17 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)                                    |
| Partition coefficient n-octanol/water (Log Pow)                                 | 1.98 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                      | 1.37 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |

### 12.2. Persistence and degradability

| <b>2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (2082-81-7)</b>            |                                     |
|---|-------------------------------------|
| Not rapidly degradable  |                                     |
| Biodegradation  | 84 %                                |
| <b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b> |                                     |
| Not rapidly degradable  |                                     |
| Persistence and degradability   | Readily biodegradable in water.     |
| <b>4-tert-butylpyrocatechol (98-29-3)</b>                                       |                                     |
| Not rapidly degradable  |                                     |
| Persistence and degradability   | Not readily biodegradable in water. |
| ThOD  | 2.4 g O <sub>2</sub> /g substance   |

### 12.3. Bioaccumulative potential

| <b>2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (2082-81-7)</b>            |   |
|---|---|
| Partition coefficient n-octanol/water (Log Pow)                                 | 3.1   |
| <b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b>                            |   |
| Partition coefficient n-octanol/water (Log Kow)                                 | 2.1   |
| <b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b> |   |
| BCF - Fish [1]  | ≤ 100   |
| BCF - Fish [2]  | 3.2 Quantitative structure-activity relationship (QSAR) |
| Partition coefficient n-octanol/water (Log Pow)                                 | 0.97 (OECD 102 method)                                  |

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| <b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b> |  |
|---|--|
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                      | 1.9 (log Koc, Calculated value)            |
| Bioaccumulative potential   | Low bioaccumulation potential (BCF < 500). |

| <b>4-tert-butylpyrocatechol (98-29-3)</b>                  |  |
|--|--|
| Partition coefficient n-octanol/water (Log Pow)            | 1.98 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 1.37 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| Bioaccumulative potential                                  | Low potential for bioaccumulation (Log Kow < 4).   |

### 12.4. Mobility in soil

| <b>2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (2082-81-7)</b> |     |
|--|-----|
| Partition coefficient n-octanol/water (Log Pow)                      | 3.1 |

| <b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b> |     |
|--|-----|
| Partition coefficient n-octanol/water (Log Kow)      | 2.1 |

| <b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b> |   |
|---|---|
| Partition coefficient n-octanol/water (Log Pow)                                 | 0.97 (OECD 102 method)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc)                      | See section 12.1 on ecotoxicology 1.9 (log Koc, Calculated value) |
| Ecology - soil  | Highly mobile in soil.  |

| <b>4-tert-butylpyrocatechol (98-29-3)</b>                  |  |
|--|--|
| Surface tension  | No data available (test not performed)   |
| Partition coefficient n-octanol/water (Log Pow)            | 1.98 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)  |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | See section 12.1 on ecotoxicology 1.37 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| Ecology - soil   | Highly mobile in soil.   |

### 12.5. Other adverse effects

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

| <b>HUS4-MAX, A</b>  |       |
|---|-------|
| Fluorinated greenhouse gases  | False |
| <b>2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (2082-81-7)</b>            |       |
| Fluorinated greenhouse gases  | False |
| <b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b>                            |       |
| Fluorinated greenhouse gases  | False |
| <b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b> |       |
| Fluorinated greenhouse gases  | False |
| <b>4-tert-butylpyrocatechol (98-29-3)</b>                                       |       |
| Fluorinated greenhouse gases  | False |

## SECTION 13: Disposal considerations

|  |  |
|--|--|
| Regional legislation (waste)               | Disposal must be done according to official regulations.   |
| Product/Packaging disposal recommendations | After curing, the product can be disposed of with household waste. . Full or only partially emptied cartridges must be disposed of as special waste in accordance with official regulations. Packaging contaminated by the product : Dispose in a safe manner in accordance with local/national regulations. |
| Ecology - waste materials                  | Avoid release to the environment.  |

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## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

### 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 regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |

#### 14.6. Special precautions for user

**Overland transport**

Not regulated

**Transport by sea**

Not regulated

**Air transport**

Not regulated

**Rail transport**

Not regulated

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

Not applicable

#### 14.8. Hazchem or Emergency Action Code

Hazchem Code

Not applicable

### SECTION 15: Regulatory information

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

**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

# HUS4-MAX, A

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

### Abbreviations and acronyms

CAS-No. - Chemical Abstract Service number  
 ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE - Acute Toxicity Estimate  
 BCF - Bioconcentration factor  
 BLV - Biological limit value  
 BOD - Biochemical oxygen demand (BOD)  
 CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  
 COD - Chemical oxygen demand (COD)  
 DMEL - Derived Minimal Effect level  
 DNEL - Derived-No Effect Level  
 EC50 - Median effective concentration  
 EC-No. - European Community number  
 ED - Endocrine disrupting properties  
 EN - European Standard  
 IARC - International Agency for Research on Cancer  
 IATA - International Air Transport Association  
 IMDG - International Maritime Dangerous Goods  
 IOELV - Indicative Occupational Exposure Limit Value  
 LC50 - Median lethal concentration  
 LD50 - Median lethal dose  
 LOAEL - Lowest Observed Adverse Effect Level  
 N.O.S. - Not Otherwise Specified  
 NOAEC - No-Observed Adverse Effect Concentration  
 NOAEL - No-Observed Adverse Effect Level  
 NOEC - No-Observed Effect Concentration  
 OECD - Organisation for Economic Co-operation and Development  
 OEL - Occupational Exposure Limit  
 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)  
 TRGS - Technical Rules for Hazardous Substances  
 VOC - Volatile Organic Compounds  
 TLM - Median Tolerance Limit  
 vPvB - Very Persistent and Very Bioaccumulative  
 WGK - Water Hazard Class

Revision date

22/06/2022

Other information

None.

### Classification:

|              |      |
|--------------|------|
| Skin Sens. 1 | H317 |
|--------------|------|

### Full text of H-statements:

|                       |   |
|-----------------------|---|
| Acute Tox. 2 (Oral)   | Acute toxicity (oral), Category 2                                 |
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3                               |
| Acute Tox. 4 (Oral)   | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1       | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1     | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Eye Irrit. 2A         | Serious eye damage/eye irritation, Category 2A                    |
| Skin Corr. 1B         | Skin corrosion/irritation, Category 1B                            |

# HUS4-MAX, A

## Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations

|               |  |
|---------------|--|
| Skin Sens. 1  | Skin sensitisation, Category 1                       |
| Skin Sens. 1B | Skin sensitisation, category 1B                      |
| H300          | Fatal if swallowed                                   |
| H302          | Harmful if swallowed                                 |
| H311          | Toxic in contact with skin                           |
| H314          | Causes severe skin burns and eye damage              |
| H317          | May cause an allergic skin reaction                  |
| H319          | Causes serious eye irritation                        |
| H400          | Very toxic to aquatic life                           |
| H410          | Very toxic to aquatic life with long lasting effects |

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*