

Mirka (UK) Ltd  
MK4 1GA Milton Keynes

Date printed 08.12.2022, Revision 11.11.2021

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

### 1.1 Product identifier

**Dry Guide Coat White**

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

#### 1.2.1 Relevant uses

Applicator

#### 1.2.2 Uses advised against

None known.

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

#### Company

Mirka (UK) Ltd  
Saxon House, Shirwell Crescent, Furzton Lake  
MK4 1GA Milton Keynes / GREAT BRITAIN  
Phone +44 (0)1908 866100  
Homepage [www.mirka.com](http://www.mirka.com)  
E-mail [sales@mirka.com](mailto:sales@mirka.com)

#### Address enquiries to

#### Technical information

[sales@mirka.com](mailto:sales@mirka.com)

#### Safety Data Sheet

[sdb@chemiebuero.de](mailto:sdb@chemiebuero.de) (No dispatch of safety data sheets)  
Safety data sheets are available from the supplier.

### 1.4 Emergency telephone number

#### Advisory body

For Chemical Emergency: spill, leak, fire, exposure or accident call CHEMTREC day or night:  
Within USA and Canada: +1 800 424 9300; Outside USA and Canada: +1 703 527 3887  
(collect calls accepted)  
CHEMTREC UK: +(44)-870-8200418 (English)  
CHEMTREC Ireland (Dublin): +(353)-19014670 (English, Irish Gaelic)  
Multilingual response for emergency calls only. Non-emergency calls cannot be serviced at these numbers.

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

No classification.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

#### Hazard pictograms

none

#### Signal word

none

#### Hazard statements

none

#### Precautionary statements

none

#### Special labelling

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.  
EUH210 Safety data sheet available on request.

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### 2.3 Other hazards

|                                 |   |
|---------------------------------|---|
| <b>Physico-chemical hazards</b> | Dust formation.   |
| <b>Human health dangers</b>     | May cause irritation of respiratory organs (powder or dust).<br>Risk of mechanical irritation by dust particles (eyes, skin).<br>The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.  |
| <b>Environmental hazards</b>    | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.<br>The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |
| <b>Other hazards</b>            | Further hazards were not determined with the current level of knowledge.  |

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

The product is a mixture.

| Range [%] | Substance   |
|-----------|---|
| > 50      | Titanium dioxide<br>CAS: 13463-67-7, EINECS/ELINCS: 236-675-5 |

**Comment on component parts** No dangerous components.  
Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                            |   |
|----------------------------|---|
| <b>General information</b> | Take off contaminated clothing and wash before reuse.   |
| <b>Inhalation</b>          | Ensure supply of fresh air.<br>In the event of symptoms seek medical treatment.   |
| <b>Skin contact</b>        | When in contact with the skin, clean with soap and water.<br>Consult a doctor if skin irritation persists.  |
| <b>Eye contact</b>         | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>If eye irritation persists: Get medical advice/attention. |
| <b>Ingestion</b>           | Get medical advice.<br>Do not induce vomiting.<br>Rinse out mouth and give plenty of water to drink.  |

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

Eye contact:  
Redness  
Pain  
Skin contact:  
Redness  
Pain  
Itching  
By inhalation:  
Cough  
Sneeze  
Headache  
Hoarseness  
Nose and throat pain

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

Treat symptomatically.  
Forward this sheet to your doctor.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media** All extinguishing media are suitable but method must take into account the surrounding area to minimize dispersion.

**Extinguishing media that must not be used** Full water jet.

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

Risk of formation of toxic pyrolysis products.

#### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation.  
High risk of slipping due to leakage/spillage of product.  
Avoid dust formation.  
Wear suitable protective equipment. For personal protection see SECTION 8.  
Use breathing apparatus if exposed to dust.  
Remove persons to safety.

#### 6.2 Environmental precautions

Knock down dust with water spray jet.  
Retain and dispose of contaminated wash water.

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

Take up mechanically. Avoid production of dust.  
Dispose of absorbed material in accordance within the regulations.

#### 6.4 Reference to other sections

See SECTION 8+13

### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Use only in well-ventilated areas.  
Avoid the formation and deposition of dust.  
Dust deposits that cannot be avoided must be taken up regularly.  
Provide suitable vacuuming at the processing machines and in the processing area.  
Avoid contact with eyes and skin. Use personal protective equipment.

Do not eat, drink or smoke when using this product.  
Wash hands before breaks and after work.  
Use barrier skin cream.  
Contaminated work clothing should not be allowed out of the workplace.  
Take off contaminated clothing and wash before reuse.

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## 7.2 Conditions for safe storage, including any incompatibilities

Prevent penetration into the ground.  
Keep only in original container.  
  
Do not store together with oxidizing agents.  
  
Keep container in a well-ventilated place.  
Keep container tightly closed.

## 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (GB)

|   |
|---|
| Substance   |
| Titanium dioxide  |
| CAS: 13463-67-7, EINECS/ELINCS: 236-675-5   |
| Long-term exposure: 4 mg/m <sup>3</sup> , respirable; total inhalable: TWA=10 mg/m <sup>3</sup> |

### 8.2 Exposure controls

|  |  |
|--|--|
| <b>Additional advice on system design</b>                          | Ensure adequate ventilation on workstation.<br>Pay attention to dust limit value (ACGIH-2011: 10 mg/m <sup>3</sup> particle inhalable; 1,25 mg/m <sup>3</sup> particle respirable).<br>Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances. |
| <b>Eye protection</b>  | In the event of dust formation:<br>Tightly fitting goggles. (EN 166:2001)  |
| <b>Hand protection</b>   | The details concerned are recommendations. Please contact the glove supplier for further information.<br>In full contact:<br>0.4 mm: Butyl rubber, >480 min (EN 374-1/-2/-3).  |
| <b>Skin protection</b>   | Protective clothing (EN 340)   |
| <b>Other</b>   | Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.<br>Do not inhale dust.<br>Avoid contact with eyes and skin.  |
| <b>Respiratory protection</b>                                      | In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.<br>Short term: filter apparatus, combination filter A-P1. (DIN EN 14387)  |
| <b>Thermal hazards</b>   | No information available.  |
| <b>Delimitation and monitoring of the environmental exposition</b> | Comply with applicable environmental regulations limiting discharge to air, water and soil.  |

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                              |
|---|------------------------------|
| Physical state                          | solid                        |
| Form                                    | powder                       |
| Color                                   | white                        |
| Odor                                    | odourless                    |
| Odour threshold                         | not applicable               |
| pH-value                                | not applicable               |
| pH-value [1%]                           | No information available.    |
| Boiling point [°C]                      | No information available.    |
| Flash point [°C]                        | not applicable               |
| Flammability (solid, gas) [°C]          | non flammable                |
| Lower explosion limit                   | No information available.    |
| Upper explosion limit                   | No information available.    |
| Oxidising properties                    | no                           |
| Vapour pressure/gas pressure [kPa]      | not applicable               |
| Density [g/cm <sup>3</sup> ]            | No information available.    |
| Relative density                        | No information available.    |
| Bulk density [kg/m <sup>3</sup> ]       | No information available.    |
| Solubility in water                     | partially miscible           |
| Solubility other solvents               | No information available.    |
| Partition coefficient [n-octanol/water] | not applicable               |
| Kinematic viscosity                     | not applicable               |
| Relative vapour density                 | not applicable               |
| Evaporation speed                       | not applicable               |
| Melting point [°C]                      | No information available.    |
| Auto-ignition temperature               | not applicable               |
| Decomposition temperature [°C]          | No information available.    |
| Particle characteristics                | TiO <sub>2</sub> : 25 micron |

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with acids.

### 10.4 Conditions to avoid

Dust formation.

### 10.5 Incompatible materials

No information available.

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#### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

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## SECTION 11: Toxicological information

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

#### Acute oral toxicity

|  |
|--|
| Product  |
| Based on the available information, the classification criteria are not fulfilled. |
| Substance  |
| Titanium dioxide, CAS: 13463-67-7  |
| LD50, oral, Rat, > 2000 mg/kg  |

#### Acute dermal toxicity

|  |
|--|
| Product  |
| Based on the available information, the classification criteria are not fulfilled. |

#### Acute inhalational toxicity

|  |
|--|
| Product  |
| Based on the available information, the classification criteria are not fulfilled. |
| Substance  |
| Titanium dioxide, CAS: 13463-67-7  |
| LC50, inhalative, Rat, > 6.8 mg/L (4h)   |

**Serious eye damage/irritation** Based on the available information, the classification criteria are not fulfilled.

|                                   |
|-----------------------------------|
| Substance                         |
| Titanium dioxide, CAS: 13463-67-7 |
| no adverse effect observed        |

**Skin corrosion/irritation** Based on the available information, the classification criteria are not fulfilled.

|                                   |
|-----------------------------------|
| Substance                         |
| Titanium dioxide, CAS: 13463-67-7 |
| no adverse effect observed        |

**Respiratory or skin sensitisation** Based on the available information, the classification criteria are not fulfilled.

|                                   |
|-----------------------------------|
| Substance                         |
| Titanium dioxide, CAS: 13463-67-7 |
| inhalative, non-sensitizing       |
| dermal, non-sensitizing           |

**Specific target organ toxicity — single exposure** Based on the available information, the classification criteria are not fulfilled.

|  |
|--|
| Substance                              |
| Titanium dioxide, CAS: 13463-67-7      |
| inhalative, no adverse effect observed |

**Specific target organ toxicity — repeated exposure** Based on the available information, the classification criteria are not fulfilled.

**Mutagenicity** Based on the available information, the classification criteria are not fulfilled.

|           |
|-----------|
| Substance |
|-----------|

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Titanium dioxide, CAS: 13463-67-7

in vivo, negativ

in vitro, negativ

**Reproduction toxicity** Based on the available information, the classification criteria are not fulfilled.

Substance

Titanium dioxide, CAS: 13463-67-7

NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on developmental toxicity), no adverse effect observed

**Carcinogenicity** Based on the available information, the classification criteria are not fulfilled.

**Aspiration hazard** Based on the available information, the classification criteria are not fulfilled.

**General remarks** Risk of mechanical irritation by dust particles.

Toxicological data of complete product are not available.

## 11.2 Information on other hazards

**Endocrine disrupting properties** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Other information** none

## SECTION 12: Ecological information

### 12.1 Toxicity

Substance

Titanium dioxide, CAS: 13463-67-7

LC50, (72h), fish, 1 mg/L

EC50, (72h), Algae, 100 mg/L

EC50, (48h), Daphnia magna, 2.41 - 103.9 mg/L

EC50, (72h), Daphnia magna, 3.58 - 100 mg/L

NOEC, (168h), Algae, 100 mg/L

NOEC, (72h), Algae, 100 mg/L

NOEC, (28d), Daphnia magna, 100 mg/L

NOEC, (96h), fish, 80 - 160 mg/L

LOEC, (96h), fish, 160 mg/L

### 12.2 Persistence and degradability

**Behaviour in environment compartments** No information available.

**Behaviour in sewage plant** No information available.

**Biological degradability** The methods for determining the biological degradability are not applicable to inorganic substances.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

not applicable



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## 12.6 Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7 Other adverse effects

Ecological data of complete product are not available.  
Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Dispose of as hazardous waste.  
Coordinate disposal with the authorities if necessary.

#### Waste no. (recommended)

120121

#### Contaminated packaging

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

#### Waste no. (recommended)

150105  
150106

## SECTION 14: Transport information

### 14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

### 14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

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#### 14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.4 Packing group

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

#### 14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

#### 14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable

### SECTION 15: Regulatory information

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

**EEC-REGULATIONS** 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014

**TRANSPORT-REGULATIONS** ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2022)

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.

- **Observe employment restrictions for people** Observe employment restrictions for young people.

- **VOC (2010/75/CE)** not applicable

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## 15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### 16.1 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

### 16.2 Other information

Classification procedure

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**Modified position**

SECTION 2 been added: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 2 been added: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 2 been added: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 4 been added: Itching

SECTION 4 been added: Eye contact:

SECTION 4 been added: Redness

SECTION 4 been added: Pain

SECTION 4 been added: Skin contact:

SECTION 4 been added: Pain

SECTION 4 been added: By inhalation:

SECTION 4 been added: Cough

SECTION 4 been added: Sneeze

SECTION 4 been added: Headache

SECTION 4 been added: Hoarseness

SECTION 4 been added: Nose and throat pain

SECTION 4 been added: Redness

SECTION 9 deleted: powder

SECTION 9 been added: solid

SECTION 11 been added: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 11 been added: Risk of mechanical irritation by dust particles.

SECTION 12 been added: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



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