



Das Original

# DIRKO™ HT Red

## Safety Data Sheet

according to UK REACH

Date of issue: 01.10.2018

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Version/Replaced version: 4.0/3.0

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

#### 1.1. Product identifier

Product form : Mixture  
 Product name : DIRKO™ HT Red  
 Product code : 458.432 (20 ml), 705.708 (70 ml), 465.766 (310 ml)

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

##### 1.2.1. Relevant identified uses

Intended for general public  
 Use of the substance/mixture : Sealants

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer (Germany)

ElringKlinger AG  
 Max-Eyth-Straße 2  
 72581 Dettingen/Erms - Germany  
 T +49 (0)7123 724 799  
[det.iam.sdb@elringklinger.com](mailto:det.iam.sdb@elringklinger.com)

##### Supplier

##### Manufacturer (England)

Elring Parts Ltd  
 Unit 2, Derwent Court  
 Earlsway Team Valley Trading Estate  
 Gateshead  
 Tyne and Wear  
 NE11 TF - England  
 Sales T +44 191 4915678 - F +44 191 4875001  
[sales@elringparts.co.uk](mailto:sales@elringparts.co.uk)

Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: [sds@dlac-gmbh.de](mailto:sds@dlac-gmbh.de)

#### 1.4. Emergency telephone number

| Country | Organisation/Company   | Address                                  | Emergency number |
|---------|--|--|------------------|
| Germany | Giftinformationszentrum (GIZ-Nord)<br>Universitätsmedizin Göttingen - Georg-August-Universität | Robert-Koch Straße 40<br>37075 Göttingen | +49 551 19240    |

### SECTION 2: Hazards identification

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

##### Classification according to GB CLP

Serious eye damage/eye irritation, Category 2 H319

Full text of H-phrases: see section 16

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

Causes serious eye irritation. When the product hardens, small amounts of irritating vapors are released.

#### 2.2. Label elements

##### Labelling according to GB CLP

Hazard pictograms (CLP)



GHS07

Signal word (CLP)

: Warning

Hazard statements (CLP)

: H319 - Causes serious eye irritation.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.  
 P102 - Keep out of reach of children.  
 P264 - Wash hands thoroughly after handling.  
 P280 - Wear eye protection.  
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

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contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.

### 2.3. Other hazards

Contains PBT/vPvB substances assessed in accordance with UK REACH Annex XIII: Octamethylcyclotetrasiloxane (556-67-2), Decamethylcyclopentasiloxane (541-02-6), Dodecamethylcyclohexasiloxane (540-97-6).

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

#### Substances formed under the conditions of use:

| Name        | Product identifier   | %   | Classification according to GB CLP        |
|-------------|--|-----|---|
| Acetic acid | (CAS No) 64-19-7<br>(EC No) 200-580-7<br>(Index No) 607-002-00-6 | < 3 | Flam. Liq. 3, H226<br>Skin Corr. 1A, H314 |

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name   | Product identifier  | %            | Classification according to GB CLP                                     |
|--|---|--------------|--|
| Methylsilanetriyl triacetate   | (CAS No) 4253-34-3<br>(EC No) 224-221-9                           | 1 - < 3      | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314                       |
| Diiron trioxide  | (CAS No) 1309-37-1<br>(EC No) 215-168-2                           | 1 - < 3      | Not classified   |
| Octamethylcyclotetrasiloxane<br>(substance listed as REACH Candidate)  | (CAS No) 556-67-2<br>(EC No) 209-136-7<br>(Index No) 014-018-00-1 | 0.25 - < 2.5 | Flam. Liq. 3, H226<br>Repr. 2, H361f<br>Aquatic Chronic 1, H410 (M=10) |
| Decamethylcyclopentasiloxane<br>(substance listed as REACH Candidate)  | (CAS No) 541-02-6<br>(EC No) 208-764-9                            | 0.1 - < 1    | Not classified   |
| Dodecamethylcyclohexasiloxane<br>(substance listed as REACH Candidate) | (CAS No) 540-97-6<br>(EC No) 208-762-8                            | 0.1 - < 1    | Not classified   |

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures general : Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Drink water as a precaution. Do NOT induce vomiting.

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

- Symptoms/injuries after eye contact : Causes serious eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing agents that suit the environment. Carbon dioxide. Extinguishing powder. Water spray. For a significant fire: Alcohol resistant foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

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

- Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Toxic gases and vapours. Silicon oxides.

### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

## SECTION 6: Accidental release measures

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

- General measures : Provide adequate ventilation. Do not breathe vapours.

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### 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. In case of inadequate ventilation wear respiratory protection. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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

Methods for cleaning up : Wipe up with absorbent material (for example cloth). Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Keep in suitable, closed containers for disposal. Dispose of in accordance with relevant local regulations.

### 6.4. Reference to other sections

Exposure controls and personal protection, see section 8. Concerning disposal elimination after cleaning, see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid breathing vapours, spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. When using do not eat, drink or smoke. 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 : Store in original container. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Protect from heat and direct sunlight.

Prohibitions on mixed storage : Keep away from food, drink and animal feedingstuffs.

### 7.3. Specific end use(s)

Sealants.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Acetic acid (64-19-7)                    |                               |   |
|--|-------------------------------|---|
| United Kingdom                           | Local name                    | Acetic acid   |
| United Kingdom                           | WEL TWA (mg/m <sup>3</sup> )  | 25 mg/m <sup>3</sup>  |
| United Kingdom                           | WEL TWA (ppm)                 | 10 ppm  |
| United Kingdom                           | WEL STEL (mg/m <sup>3</sup> ) | 50 mg/m <sup>3</sup>  |
| United Kingdom                           | WEL STEL (ppm)                | 20 ppm  |
| Diiron trioxide (1309-37-1)              |                               |   |
| United Kingdom                           | Local name                    | Iron oxide, Rouge   |
| United Kingdom                           | WEL TWA (mg/m <sup>3</sup> )  | 10 mg/m <sup>3</sup> (total inhalable)<br>4 mg/m <sup>3</sup> (respirable)<br>5 mg/m <sup>3</sup> (fume, as Fe) |
| United Kingdom                           | WEL STEL (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> (fume, as Fe)  |
| Methylsilanetriyl triacetate (4253-34-3) |                               |   |
| DNEL/DMEL (Workers)                      |                               |   |
| Acute - local effects, inhalation        | 61 mg/m <sup>3</sup>          |   |
| Long-term - local effects, inhalation    | 31 mg/m <sup>3</sup>          |   |
| DNEL/DMEL (General population)           |                               |   |
| Acute - local effects, inhalation        | 61 mg/m <sup>3</sup>          |   |
| Long-term - local effects, inhalation    | 31 mg/m <sup>3</sup>          |   |
| PNEC (Sediment)                          |                               |   |
| PNEC sediment (freshwater)               | 4.8 mg/kg dwt                 |   |
| PNEC sediment (marine water)             | 0.48 mg/kg dwt                |   |
| PNEC (Soil)                              |                               |   |
| PNEC soil                                | 0.19 mg/kg dwt                |   |
| PNEC (STP)                               |                               |   |
| PNEC sewage treatment plant              | 6.9 mg/l                      |   |

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| <b>Octamethylcyclotetrasiloxane (556-67-2)</b>  |                          |
|---|--------------------------|
| DNEL/DMEL (Workers)                             |                          |
| Long-term - systemic effects, inhalation        | 73 mg/m <sup>3</sup>     |
| Long-term - local effects, inhalation           | 73 mg/m <sup>3</sup>     |
| DNEL/DMEL (General population)                  |                          |
| Long-term - systemic effects, oral              | 3.7 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation        | 13 mg/m <sup>3</sup>     |
| Long-term - local effects, inhalation           | 13 mg/m <sup>3</sup>     |
| PNEC (Water)                                    |                          |
| PNEC aqua (freshwater)                          | 0.0015 mg/l              |
| PNEC aqua (marine water)                        | 0.00015 mg/l             |
| PNEC (Sediment)                                 |                          |
| PNEC sediment (freshwater)                      | 3 mg/kg dwt              |
| PNEC sediment (marine water)                    | 0.3 mg/kg dwt            |
| PNEC (Soil)                                     |                          |
| PNEC soil                                       | 0.84 mg/kg dwt           |
| PNEC (Oral)                                     |                          |
| PNEC oral (secondary poisoning)                 | 41 mg/kg food            |
| PNEC (STP)                                      |                          |
| PNEC sewage treatment plant                     | 10 mg/l                  |
| <b>Decamethylcyclopentasiloxane (541-02-6)</b>  |                          |
| DNEL/DMEL (Workers)                             |                          |
| Long-term - systemic effects, inhalation        | 97.3 mg/m <sup>3</sup>   |
| Long-term - local effects, inhalation           | 24.2 mg/m <sup>3</sup>   |
| DNEL/DMEL (General population)                  |                          |
| Long-term - systemic effects, oral              | 5 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation        | 17.3 mg/m <sup>3</sup>   |
| Long-term - local effects, inhalation           | 4.3 mg/m <sup>3</sup>    |
| PNEC (Water)                                    |                          |
| PNEC aqua (freshwater)                          | 0.0012 mg/l              |
| PNEC aqua (marine water)                        | 0.00012 mg/l             |
| PNEC (Sediment)                                 |                          |
| PNEC sediment (freshwater)                      | 11 mg/kg dwt             |
| PNEC sediment (marine water)                    | 1.1 mg/kg dwt            |
| PNEC (Soil)                                     |                          |
| PNEC soil                                       | 2.54 mg/kg dwt           |
| PNEC (Oral)                                     |                          |
| PNEC oral (secondary poisoning)                 | 16 mg/kg food            |
| PNEC (STP)                                      |                          |
| PNEC sewage treatment plant                     | 10 mg/l                  |
| <b>Dodecamethylcyclohexasiloxane (540-97-6)</b> |                          |
| DNEL/DMEL (Workers)                             |                          |
| Acute - local effects, inhalation               | 6.1 mg/m <sup>3</sup>    |
| Long-term - local effects, inhalation           | 1.22 mg/m <sup>3</sup>   |
| DNEL/DMEL (General population)                  |                          |
| Acute - local effects, inhalation               | 1.5 mg/m <sup>3</sup>    |
| Long-term - local effects, inhalation           | 0.3 mg/m <sup>3</sup>    |
| PNEC (Sediment)                                 |                          |
| PNEC sediment (freshwater)                      | 13.5 mg/kg dwt           |
| PNEC sediment (marine water)                    | 1.35 mg/kg dwt           |
| PNEC (Oral)                                     |                          |
| PNEC oral (secondary poisoning)                 | 66.7 mg/kg food          |

### 8.2. Exposure controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | : Provide local exhaust or general room ventilation to minimize vapour concentrations.  |
| Hand protection                  | : Wear suitable gloves (EN 374 or equivalent). Short-term contact: nitrile/neoprene, ≥ 0.2 mm. Prolonged or repeated contact: nitrile, ≥ 1.25 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| Eye protection                   | : Chemical goggles or safety glasses (EN 166).  |
| Skin and body protection         | : Wear suitable protective clothing (EN 14605, EN 13982).   |

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|                                 |   |
|---------------------------------|---|
| Respiratory protection          | : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Respiratory protection with filter type ABEK (EN 14387). |
| Environmental exposure controls | : Avoid release to the environment.   |

### SECTION 9: Physical and chemical properties

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

|  |  |
|--|--|
| Appearance                                   | : Solid. Paste. Red.   |
| Odour  | : Characteristic, vinegar  |
| Odour threshold                              | : No data available  |
| pH   | : No data available  |
| Melting point/freezing point                 | : No data available  |
| Initial boiling point and boiling range      | : No data available  |
| Flash point                                  | : > 150 °C (Afnor T 60103)   |
| Evaporation rate                             | : No data available  |
| Flammability (solid, gas)                    | : No data available  |
| Upper/lower flammability or explosive limits | : No data available  |
| Vapour pressure                              | : No data available  |
| Vapour density                               | : No data available  |
| Relative density                             | : No data available  |
| Density                                      | : ~ 1.04 kg/dm <sup>3</sup> (20 °C)  |
| Solubility(ies)                              | : Water: practically insoluble<br>Acetone, Alcohol: insoluble<br>Aliphatic/aromatic hydrocarbons: partially soluble<br>Chlorinated solvents: partially soluble |
| Partition coefficient: n-octanol/water       | : No data available  |
| Auto-ignition temperature                    | : No data available  |
| Decomposition temperature                    | : > 200 °C   |
| Viscosity                                    | : No data available  |
| Explosive properties                         | : None   |
| Oxidising properties                         | : None   |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Vulcanizes at room temperature and on contact with humidity.

#### 10.2. Chemical stability

Stable under use and storage conditions as recommended in section 7.

#### 10.3. Possibility of hazardous reactions

None under normal use.

#### 10.4. Conditions to avoid

High temperature.

#### 10.5. Incompatible materials

Oxidizing agents. Water.

#### 10.6. Hazardous decomposition products

In case of fire: Carbon dioxide. Carbon monoxide. Toxic gases and vapours. Silicon oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                |  |
|----------------|--|
| Acute toxicity | : Not classified   |
|                | Based on available data, the classification criteria are not met |

| Methylsilanetriyl triacetate (4253-34-3) |            |
|--|------------|
| LD50 oral rat                            | 1600 mg/kg |

  

| Octamethylcyclotetrasiloxane (556-67-2) |              |
|---|--------------|
| LD50 oral rat                           | > 4800 mg/kg |
| LD50 dermal rat                         | > 2375 mg/kg |
| LC50 inhalation rat (Dust/Mist)         | 36 mg/l/4 h  |

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| <b>Dodecamethylcyclohexasiloxane (540-97-6)</b> |              |
|---|--------------|
| LD50 oral rat                                   | > 2000 mg/kg |
| LD50 dermal rat                                 | > 2000 mg/kg |

| <b>Decamethylcyclopentasiloxane (541-02-6)</b> |               |
|--|---------------|
| LD50 oral rat                                  | > 5000 mg/kg  |
| LD50 dermal rabbit                             | > 2000 mg/kg  |
| LC50 inhalation rat                            | 8.67 mg/l/4 h |

|   |   |
|---|---|
| Skin corrosion/irritation                           | : The product is not considered to be irritating to the skin (Test results with a similar product). |
| Serious eye damage/irritation                       | : Causes serious eye irritation (Test results with a similar product).                              |
| Respiratory or skin sensitisation                   | : Not classified<br>Based on available data, the classification criteria are not met                |
| Germ cell mutagenicity                              | : Not classified<br>Based on available data, the classification criteria are not met                |
| Carcinogenicity                                     | : Not classified<br>Based on available data, the classification criteria are not met                |
| Reproductive toxicity                               | : Not classified<br>Based on available data, the classification criteria are not met                |
| Specific target organ toxicity (single exposure)    | : Not classified<br>Based on available data, the classification criteria are not met                |
| Specific target organ toxicity (repeated exposure)  | : Not classified<br>Based on available data, the classification criteria are not met                |
| Aspiration hazard                                   | : Not classified<br>Based on available data, the classification criteria are not met                |
| Potential adverse human health effects and symptoms | : Endocrine disruption for human health: The mixture has no endocrine disrupting properties.        |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                          |                  |
|--------------------------|------------------|
| Acute aquatic toxicity   | : Not classified |
| Chronic aquatic toxicity | : Not classified |

The maximum concentration of octamethylcyclotetrasiloxane (556-67-2) that can leach from the product is below the established safety level (< 0.0079 mg/l) for aquatic organisms (based on partition coefficient, test results with a similar product).

| <b>Methylsilanetriyl triacetate (4253-34-3)</b> |   |
|---|---|
| LC50 fish                                       | > 500 mg/L 96 h, Danio rerio              |
| EC50 crustacean                                 | > 500 mg/L 48 h, Daphnia magna            |
| EC50 algae                                      | > 500 mg/L 72 h, Raphidocelis subcapitata |
| NOEC daphnia                                    | ≥ 100 mg/l 21 d, Daphnia magna            |
| NOEC algae                                      | ≥ 500 mg/l 72 h, Raphidocelis subcapitata |

| <b>Octamethylcyclotetrasiloxane (556-67-2)</b> |   |
|--|---|
| LC50 fish                                      | > 0.022 mg/l 96 h, Oncorhynchus mykiss      |
| EC50 daphnia                                   | > 0.015 mg/l 48 h, Daphnia magna            |
| EC50 algae                                     | > 0.022 mg/l 96 h, Raphidocelis subcapitata |
| NOEC fish                                      | ≥ 0.0044 mg/l 93 d, Oncorhynchus mykiss     |
| NOEC daphnia                                   | ≥ 0.015 mg/l 21 d, Daphnia magna            |
| NOEC algae                                     | < 0.022 mg/l 96 h, Raphidocelis subcapitata |

| <b>Dodecamethylcyclohexasiloxane (540-97-6)</b> |   |
|---|---|
| EC50 algae                                      | > 0.002 mg/l 72 h, Raphidocelis subcapitata |
| NOEC fish                                       | ≥ 0.014 mg/l 90 d, Oncorhynchus mykiss      |
| NOEC daphnia                                    | ≥ 0.0046 mg/l 21 d, Daphnia magna           |
| NOEC algae                                      | ≥ 0.002 mg/l 72 h, Raphidocelis subcapitata |

| <b>Decamethylcyclopentasiloxane (541-02-6)</b> |   |
|--|---|
| LC50 fish                                      | > 0.016 mg/l 96 h, Oncorhynchus mykiss      |
| EC50 daphnia                                   | > 0.0029 mg/l 48 h, Daphnia magna           |
| EC50 algae                                     | > 0.012 mg/l 96 h, Raphidocelis subcapitata |
| NOEC fish                                      | ≥ 0.014 mg/l 90 d, Oncorhynchus mykiss      |
| NOEC daphnia                                   | ≥ 0.015 mg/l 21 d, Daphnia magna            |
| NOEC algae                                     | ≥ 0.012 mg/l 96 h, Raphidocelis subcapitata |

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### 12.2. Persistence and degradability

#### Methylsilanetriyl triacetate (4253-34-3)

|                               |                              |
|-------------------------------|------------------------------|
| Persistence and degradability | Readily biodegradable.       |
| Biodegradation                | 74 %, 21 d (EU Method C.4-A) |

#### Octamethylcyclotetrasiloxane (556-67-2)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation                | 3.7 %, 29 d (OECD 310)     |

#### Dodecamethylcyclohexasiloxane (540-97-6)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation                | 4.47 %, 28 d (OECD 310)    |

#### Decamethylcyclopentasiloxane (541-02-6)

|                               |                            |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation                | 0.14 %, 28 d (OECD 310)    |

### 12.3. Bioaccumulative potential

#### Octamethylcyclotetrasiloxane (556-67-2)

|   |                               |
|---|-------------------------------|
| Bioconcentration factor (BCF REACH)             | 12400 l/kg (EPA OTS 797.1520) |
| Partition coefficient n-octanol/water (Log Pow) | 6.98 (21.7 °C)                |

#### Dodecamethylcyclohexasiloxane (540-97-6)

|   |                 |
|---|-----------------|
| Bioconcentration factor (BCF REACH)             | 1160 (OECD 305) |
| Partition coefficient n-octanol/water (Log Pow) | 8.87            |

#### Decamethylcyclopentasiloxane (541-02-6)

|   |                 |
|---|-----------------|
| Bioconcentration factor (BCF REACH)             | 7060 (OECD 305) |
| Partition coefficient n-octanol/water (Log Pow) | 8.023           |

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Contains PBT/vPvB substances assessed in accordance with UK REACH Annex XIII: Octamethylcyclotetrasiloxane (556-67-2), Dodecamethylcyclohexasiloxane (540-97-6), Decamethylcyclopentasiloxane (541-02-6).

### 12.6. Other adverse effects

Endocrine disruption for the environment : The mixture has no endocrine disrupting properties.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                |   |
|--------------------------------|---|
| Regional legislation (waste)   | : Dispose in a safe manner in accordance with local/national regulations.   |
| Waste treatment methods        | : Dispose of this material and its container at hazardous or special waste collection point. Do not empty into drains.  |
| Waste disposal recommendations | : Empty the packaging completely prior to disposal. When totally empty, containers are recyclable like any other packing.   |
| Waste code                     | : The valid LoW waste code numbers are source related. The manufacturer is therefore unable to specify LoW waste codes for the articles or products used in the various sectors. The LoW codes listed are intended as a recommendation for users. |

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

### 14.1. UN number

|               |                  |
|---------------|------------------|
| UN-No. (ADR)  | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |

### 14.2. UN proper shipping name

|                             |                  |
|-----------------------------|------------------|
| Proper Shipping Name (ADR)  | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |

### 14.3. Transport hazard class(es)

#### ADR

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (ADR) | : Not applicable |
|----------------------------------|------------------|

#### IMDG

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Transport hazard class(es) (IMDG) : Not applicable

### IATA

Transport hazard class(es) (IATA) : Not applicable

#### 14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available.

#### 14.6. Special precautions for user

##### Overland transport

Not applicable

##### Transport by sea

Not applicable

##### Air transport

Not applicable

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

Contains no substance(s) listed on UK REACH Annex XIV (Authorisation List).

Contains substance(s) listed on the UK REACH Candidate List: Octamethylcyclotetrasiloxane (556-67-2), Dodecamethylcyclohexasiloxane (540-97-6), Decamethylcyclopentasiloxane (541-02-6).

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 No. 720 as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Changes compared to the previous version : Section 15.1.

### Abbreviations and acronyms:

|        |   |
|--------|---|
| ADR    | European Agreement concerning the International Carriage of Dangerous Goods by Road   |
| DMEL   | Derived Minimal Effect Level  |
| DNEL   | Derived No-Effect Level   |
| EC50   | The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)   |
| GB CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended and changed through the Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 No. 720 as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020. |
| IATA   | International Air Transport Association   |
| IMDG   | "International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea   |
| LC50   | Lethal Concentration to 50 % of a test population (Median Lethal Concentration)   |
| LD50   | Lethal Dose to 50% of a test population (Median Lethal Dose)  |
| NOEC/L | No Observed Effect Concentration/Level  |
| OECD   | Organisation for Economic Cooperation and Development   |
| PBT    | Persistent, Bioaccumulative and Toxic substance   |
| PNEC   | Predicted No-Effect Concentration   |
| REACH  | Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals  |



# DIRKO™ HT Red

## Safety Data Sheet

according to UK REACH

|          |   |
|----------|---|
| SDS      | Safety Data Sheet   |
| STP      | Sewage Treatment Plant  |
| UK REACH | Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended and changed through the Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 No. 720 as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020. |
| vPvB     | Very Persistent and Very Bioaccumulative  |

Full text of H- and EUH-phrases:

|                     |   |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                                 |
| Aquatic Chronic 1   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Flam. Liq. 3        | Flammable liquids, Category 3                                     |
| Repr. 2             | Reproductive toxicity, Category 2                                 |
| Skin Corr. 1A       | Skin corrosion/irritation, Category 1A                            |
| Skin Corr. 1B       | Skin corrosion/irritation, Category 1B                            |
| H226                | Flammable liquid and vapour.                                      |
| H302                | Harmful if swallowed.   |
| H314                | Causes severe skin burns and eye damage.                          |
| H319                | Causes serious eye irritation.                                    |
| H361f               | Suspected of damaging fertility.                                  |
| H410                | Very toxic to aquatic life with long lasting effects.             |

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.