

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 23 Jun 2021

Print date: 26 Jan 2022

Version: 4



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## FK4027

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

#### 1.1. Product identifier

Trade name/designation:

FK4027

Other means of identification:

Glas-Abdeckpaste für AIN FK4027

Article No.:

10070

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

Use of the substance/mixture:

thick film ink

Relevant identified uses:

**Life cycle stage [LCS]**

**IS:** Use at industrial sites

**Sector of uses [SU]**

**SU 3:** Industrial uses: Uses of substances as such or in preparations at industrial sites

**Product Categories [PC]**

**PC 9a:** Coatings and paints, thinners, paint removers

**Process categories [PROC]**

**PROC 10:** Roller application or brushing

**Environmental release categories [ERC]**

**ERC 5:** Use at industrial site leading to inclusion into/onto article

**Article categories [AC]**

**AC 0:** Other

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

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**Fraunhofer IKTS-DD, TFC, RS**

Dickschichttechnik und funktioneller Druck | Thick-Film Technology and Functional Printing

Winterbergstraße 28

01277 Dresden

Germany

**Telephone:** +49-351-2553-7916

**Telefax:** +49-351-2554-236

**E-mail:** service@ikts-tfc.de

**Website:** www.ikts.fraunhofer.de

**E-mail (competent person):** service@ikts-tfc.de

#### \* 1.4. Emergency telephone number

Richard Schmidt, +49-351-2553-7916/-7900 (Only available during office hours.)

### SECTION 2: Hazards identification

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

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

| Hazard classes and hazard categories                              | Hazard statements  | Classification procedure |
|---|--|--------------------------|
| Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )                | H315: Causes skin irritation.                            | Calculation method.      |
| Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )         | H319: Causes serious eye irritation.                     | Calculation method.      |
| Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> ) | H412: Harmful to aquatic life with long lasting effects. | Calculation method.      |

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### \* 2.2. Label elements

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

##### Hazard pictograms:



**GHS07**

Exclamation mark

**Signal word:** Warning

##### Hazard statements for health hazards

|      |                                |
|------|--------------------------------|
| H315 | Causes skin irritation.        |
| H319 | Causes serious eye irritation. |

##### Hazard statements for environmental hazards

|      |  |
|------|--|
| H412 | Harmful to aquatic life with long lasting effects. |
|------|--|

##### Supplemental hazard information: —

##### Precautionary statements Prevention

|      |   |
|------|---|
| P280 | Wear protective gloves/protective clothing and eye/face protection. |
|------|---|

##### Precautionary statements Response

|                    |  |
|--------------------|--|
| P302 + P352        | IF ON SKIN: Wash with plenty of water/Soap.  |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P332 + P313        | If skin irritation occurs: Get medical advice/attention.   |
| P337 + P313        | If eye irritation persists: Get medical advice/attention.  |

##### Special rules for supplemental label elements for certain mixtures:

67,5 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (oral).

67,5 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (dermal).

99,5 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (inhalative).

69,4 % percent of the mixture consists of components of unknown hazards to the aquatic environment.

### 2.3. Other hazards

No data available


## SECTION 3: Composition/information on ingredients

### \* 3.2. Mixtures

#### Description:

Glass and inorganic additives embedded in an organic vehicle.

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

| Product identifiers                     | Substance name<br>Classification according to Regulation (EC) No 1272/2008 [CLP]  | Concentration            |
|---|---|--------------------------|
| CAS No.: 8000-41-7<br>EC No.: 232-268-1 | <b>Terpineol</b><br>Eye Irrit. 2 (H319), Skin Irrit. 2 (H315)<br> <b>Warning</b> | 18 - ≤ 30.61<br>weight-% |
| CAS No.: 1308-38-9<br>EC No.: 215-160-9 | <b>chromium (III) oxide</b><br>Substance with a community workplace exposure limit.   | 0 - ≤ 0.55<br>weight-%   |

Full text of H- and EUH-phrases: see section 16.

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### SECTION 4: First aid measures

#### \* 4.1. Description of first aid measures

##### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

##### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

##### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

##### After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

##### Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell.

##### Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation Serious eye damage/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:

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>). Co-ordinate fire-fighting measures to the fire surroundings.

##### Unsuitable extinguishing media:

Water

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

##### Hazardous combustion products:

Gases/vapours, toxic (CO, CO<sub>2</sub>)

#### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

###### Personal precautions:

Remove persons to safety.

###### Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

##### 6.1.2. For emergency responders

###### Personal protection equipment:

Personal protection equipment: see section 8

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### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

#### For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### \* 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Wear personal protection equipment (refer to section 8).

##### Fire prevent measures:

The formation of combustible vapours is possible at temperatures above: 88 °C Keep away from sources of ignition - No smoking.

##### Environmental precautions:

Do not allow to enter into surface water or drains.

##### Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

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

#### Technical measures and storage conditions:

Keep in a cool, well-ventilated place.

#### Packaging materials:

Keep/Store only in original container.

#### Requirements for storage rooms and vessels:

Keep container tightly closed.

#### Hints on storage assembly:

Prohibition on mixed storage has to be followed.

**Storage class (TRGS 510, Germany):** 10 - Combustible liquids that cannot be assigned to any of the above storage classes

### 7.3. Specific end use(s)

#### Recommendation:

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### \* 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

| Limit value type (country of origin) | Substance name  | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|--------------------------------------|---|--|
| WEL (GB)                             | chromium (III) oxide<br>CAS No.: 1308-38-9<br>EC No.: 215-160-9 | ① 0.5 mg/m <sup>3</sup>  |
| PL                                   | chromium (III) oxide<br>CAS No.: 1308-38-9<br>EC No.: 215-160-9 | ① 0.5 mg/m <sup>3</sup>  |

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| Limit value type<br>(country of<br>origin) | Substance name  | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|--|---|--|
| MY   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup>  |
| BG   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 2 mg/m <sup>3</sup>  |
| CZ   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup><br>② 1.5 mg/m <sup>3</sup><br>⑤ (kov a sloučeniny, anorganický, vdechovatelná frakce)  |
| IOELV (EU)                                 | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 2 mg/m <sup>3</sup><br>⑤ (metal and compounds, inorganic, insoluble)   |
| RO   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 2 mg/m <sup>3</sup><br>⑤ (metal)   |
| OSHA (US)                                  | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup>  |
| Alberta (CA)                               | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup>  |
| BC (CA)                                    | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup>  |
| JP   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup><br>⑤ (metal)   |
| NIOSH (US)                                 | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup>  |
| TW   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup>  |
| NL   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup><br>⑤ (metaal)  |
| SI   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 2 mg/m <sup>3</sup><br>② 2 mg/m <sup>3</sup><br>⑤ (kovina in spojine, anorgansko, netopljiv; frakcija ki jo je mogoče vdihniti)  |
| RU   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 1 mg/m <sup>3</sup><br>③ 3 mg/m <sup>3</sup>   |
| TR   | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 2 mg/m <sup>3</sup><br>⑤ (metal ve bileşikler, inorganik, çözünmez)  |
| Québec (CA)                                | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup>  |
| ACGIH (US)                                 | chromium (III) oxide<br><b>CAS No.:</b> 1308-38-9<br><b>EC No.:</b> 215-160-9 | ① 0.5 mg/m <sup>3</sup><br>⑤ (inhalable fraction)  |

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### 8.1.2. Biological limit values

No data available

### 8.1.3. DNEL-/PNEC-values

No data available

## \* 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

### 8.2.2. Personal protection equipment



#### Eye/face protection:

Eye glasses with side protection (EN 166)

#### Skin protection:

Tested protective gloves must be worn (EN ISO 374). Suitable material: NBR (Nitrile rubber) 0,4mm. Breakthrough time: 480 min.

#### Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

### 8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

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

### Appearance

**Physical state:** Liquid

**Colour:** light green

**Odour:** not determined

### Safety relevant basis data

| Parameter                                    | Value                    | at °C | ① Method<br>② Remark   |
|--|--------------------------|-------|--|
| pH   | <i>not applicable</i>    |       |  |
| Melting point                                | <i>not determined</i>    |       |  |
| Freezing point                               | <i>not determined</i>    |       |  |
| Initial boiling point and boiling range      | ≥ 214 - ≤ 224 °C         |       | ② Overtaken from SDS of the organic solvent of the paste (CAS#8000-41-7)               |
| Decomposition temperature                    | <i>not determined</i>    |       |  |
| Flash point                                  | ≈ 88 °C                  |       | ② Overtaken from SDS of the organic solvent of the paste (CAS#8000-41-7)               |
| Evaporation rate                             | <i>not determined</i>    |       |  |
| Auto-ignition temperature                    | = 264 °C                 |       | ② Overtaken from SDS of the organic solvent of the paste (CAS#8000-41-7)               |
| Upper/lower flammability or explosive limits | <i>not determined</i>    |       |  |
| Vapour pressure                              | = 3 hPa                  | 20 °C | ① OECD 104<br>② Overtaken from SDS of the organic solvent of the paste (CAS#8000-41-7) |
| Vapour density                               | <i>not determined</i>    |       |  |
| Density                                      | = 2.12 g/cm <sup>3</sup> | 25 °C | ② calculated from ingredients  |
| Relative density                             | <i>not determined</i>    |       |  |
| Bulk density                                 | <i>not determined</i>    |       |  |

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| Parameter                              | Value                 | at °C | ① Method<br>② Remark   |
|--|-----------------------|-------|--|
| Water solubility                       | = 2.54 g/l            | 20 °C | ① OECD 105<br>② Overtaken from SDS of the organic solvent of the paste (CAS#8000-41-7) |
| Partition coefficient: n-octanol/water | = 2.6                 |       | ② Overtaken from SDS of the organic solvent of the paste (CAS#8000-41-7)               |
| Dynamic viscosity                      | ≥ 20 - ≤ 50 Pa*s      | 25 °C | ① Brookfield SC4-21/-13RP(Y)   |
| Kinematic viscosity                    | <i>not determined</i> |       |  |

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### \* 10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

Do not store at temperatures above 30°C

### 10.5. Incompatible materials

Acid, Alkali (lye), Oxidising agent, strong

### \* 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

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

| Substance name  | Toxicological information  |
|---|--|
| Terpineol<br>CAS No.: 8000-41-7<br>EC No.: 232-268-1            | <b>LD<sub>50</sub> oral:</b><br>=4,300 mg/kg (Ratte) OECD 401<br><b>LD<sub>50</sub> dermal:</b><br>>2,000 mg/kg (Rat) OECD 402 |
| chromium (III) oxide<br>CAS No.: 1308-38-9<br>EC No.: 215-160-9 | <b>LD<sub>50</sub> oral:</b><br>>5,000 mg/kg (Rat)   |

#### Acute oral toxicity:

Based on available data, the classification criteria are not met.

#### Acute dermal toxicity:

Based on available data, the classification criteria are not met.

#### Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation:

Causes skin irritation.

#### Serious eye damage/irritation:

Causes serious eye irritation.

#### Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

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### Carcinogenicity:

Based on available data, the classification criteria are not met.

### Reproductive toxicity:

Based on available data, the classification criteria are not met.

### STOT-single exposure:

Based on available data, the classification criteria are not met.

### STOT-repeated exposure:

Based on available data, the classification criteria are not met.

### Aspiration hazard:

Based on available data, the classification criteria are not met.

### Additional information:

No data available

### 11.2. Information on other hazards

No data available

## SECTION 12: Ecological information

### \* 12.1. Toxicity

| Substance name                                       | Toxicological information   |
|--|---|
| Terpineol<br>CAS No.: 8000-41-7<br>EC No.: 232-268-1 | LC <sub>50</sub> : =70 mg/l 4 d (fish, Danio rerio (zebrafish)) OECD 203<br>LC <sub>50</sub> : ≈68 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201<br>LC <sub>50</sub> : =73 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202 |

### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

### \* 12.2. Persistence and degradability

| Substance name                                       | Biodegradation | Remark   |
|--|----------------|--|
| Terpineol<br>CAS No.: 8000-41-7<br>EC No.: 232-268-1 | —              | SDB Terpineol Version 6.4 von Sigma Aldrich (englisch), überarbeitet am 23.03.2021; WGK laut Kenn-Nummer 3.477 nach AwSV, Anlage 1 (4) |

### \* 12.3. Bioaccumulative potential

#### Partition coefficient: n-octanol/water:

= 2.6; Remark: Overtaken from SDS of the organic solvent of the paste (CAS#8000-41-7)

### 12.4. Mobility in soil

No data available

### \* 12.5. Results of PBT and vPvB assessment

| Substance name  | Results of PBT and vPvB assessment |
|---|------------------------------------|
| Terpineol<br>CAS No.: 8000-41-7<br>EC No.: 232-268-1            | —                                  |
| chromium (III) oxide<br>CAS No.: 1308-38-9<br>EC No.: 215-160-9 | —                                  |

### 12.6. Endocrine disrupting properties

No data available

### 12.7. Other adverse effects

No data available



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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Handle contaminated packages in the same way as the substance itself.

#### 13.1.1. Product/Packaging disposal

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

|            |  |
|------------|--|
| 16 05 06 * | laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals |
|------------|--|

\*: Evidence for disposal must be provided.

#### Waste treatment options

##### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

##### Appropriate disposal / Package:

Completely emptied packages can be recycled.

## SECTION 14: Transport information

| Land transport (ADR/RID)                                   | Inland waterway craft (ADN)                                | Sea transport (IMDG)                                       | Air transport (ICAO-TI / IATA-DGR)                         |
|--|--|--|--|
| <b>14.1. UN number or ID number</b>                        |  |  |  |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| <b>14.2. UN proper shipping name</b>                       |  |  |  |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| <b>14.3. Transport hazard class(es)</b>                    |  |  |  |
| not relevant   | not relevant   | not relevant   | not relevant   |
| <b>14.4. Packing group</b>                                 |  |  |  |
| not relevant   | not relevant   | not relevant   | not relevant   |
| <b>14.5. Environmental hazards</b>                         |  |  |  |
| not relevant   | not relevant   | not relevant   | not relevant   |
| <b>14.6. Special precautions for user</b>                  |  |  |  |
| not relevant   | not relevant   | not relevant   | not relevant   |

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

No data available

## SECTION 15: Regulatory information

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

No data available

### 15.2. Chemical Safety Assessment

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

## SECTION 16: Other information

### 16.1. Indication of changes

|      |   |
|------|---|
| 1.2. | Relevant identified uses of the substance or mixture and uses advised against |
| 1.4. | Emergency telephone number  |
| 2.1. | Classification of the substance or mixture                                    |
| 2.2. | Label elements  |

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| 3.2.  | Mixtures   |
| 4.1.  | Description of first aid measures  |
| 5.1.  | Extinguishing media  |
| 5.2.  | Special hazards arising from the substance or mixture                    |
| 6.3.  | Methods and material for containment and cleaning up                     |
| 7.1.  | Precautions for safe handling  |
| 7.2.  | Conditions for safe storage, including any incompatibilities             |
| 8.1.  | Control parameters   |
| 8.2.  | Exposure controls  |
| 9.1.  | Information on basic physical and chemical properties                    |
| 10.1. | Reactivity   |
| 10.6. | Hazardous decomposition products   |
| 11.1. | Information on hazard classes as defined in Regulation (EC) No 1272/2008 |
| 12.1. | Toxicity   |
| 12.2. | Persistence and degradability  |
| 12.3. | Bioaccumulative potential  |
| 12.5. | Results of PBT and vPvB assessment                                       |
| 14.1. | UN number or ID number   |
| 14.2. | UN proper shipping name  |
| 14.3. | Transport hazard class(es)   |
| 14.4. | Packing group  |
| 14.5. | Environmental hazards  |
| 14.6. | Special precautions for user   |
| 16.1. | Indication of changes  |
| 16.3. | Key literature references and sources for data                           |

### 16.2. Abbreviations and acronyms

No data available

### \* 16.3. Key literature references and sources for data

GESTIS material database of German "IFA", accessed on 06.01.2021

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

| Hazard classes and hazard categories                              | Hazard statements  | Classification procedure |
|---|--|--------------------------|
| Skin corrosion/irritation ( <i>Skin Irrit. 2</i> )                | H315: Causes skin irritation.                            | Calculation method.      |
| Serious eye damage/eye irritation ( <i>Eye Irrit. 2</i> )         | H319: Causes serious eye irritation.                     | Calculation method.      |
| Hazardous to the aquatic environment ( <i>Aquatic Chronic 3</i> ) | H412: Harmful to aquatic life with long lasting effects. | Calculation method.      |

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

| Hazard statements |                                |
|-------------------|--------------------------------|
| H315              | Causes skin irritation.        |
| H319              | Causes serious eye irritation. |

### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

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\* Data changed compared with the previous version