

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

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

#### 1.1 Product identifier

Trade name : Muresko Basis 3

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

Use of the Sub-  
stance/Mixture : Water-borne coatings

Recommended restrictions : within adequate application - none  
on use

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

Company : Caparol Farben Lacke GmbH  
Roßdörfer Straße 50  
64372 Ober-Ramstadt

Telephone : +496154710  
Telefax : +4961547170222

Website :  
E-mail address Responsible/issuing person : msds@dr-rmi.com

#### 1.4 Emergency telephone

Emergency telephone 1 : +49613284463 GBK GmbH

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Skin sensitization, Category 1 H317: May cause an allergic skin reaction.

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

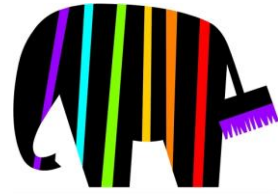
Hazard pictograms :





# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



**CAPAROL**

DE / EN

## Muresko Basis 3

Version 4.0      Revision Date: 26.02.2024      SDS Number: 6021984      Date of last issue: 26.01.2024  
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|                 |   |   |                        |
|-----------------|---|---|------------------------|
|                 | 220-120-9<br>613-088-00-6<br>01-2120761540-60               | Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>Skin Sens. 1; H317<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 2;<br>H411<br>Acute Tox. 2; H330<br><br>M-Factor (Acute<br>aquatic toxicity): 1<br>M-Factor (Chronic<br>aquatic toxicity): 1<br><br>specific concentration<br>limit<br>Skin Sens. 1; H317<br>>= 0,05 %   | 0,025                  |
| octhiline (ISO) | 26530-20-1<br>247-761-7<br>613-112-00-5<br>01-2120768921-45 | Acute Tox. 3; H301<br>Acute Tox. 2; H330<br>Acute Tox. 3; H311<br>Skin Corr. 1; H314<br>Eye Dam. 1; H318<br>Skin Sens. 1A; H317<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br>EUH071<br><br>M-Factor (Acute<br>aquatic toxicity): 100<br>M-Factor (Chronic<br>aquatic toxicity): 100<br><br>specific concentration<br>limit<br>Skin Sens. 1A; H317<br>>= 0,0015 %<br><br>Acute toxicity esti-<br>mate<br><br>Acute oral toxicity:<br>125 mg/kg<br>Acute inhalation tox-<br>icity (dust/mist): 0,27 | >= 0,0025 - <<br>0,025 |

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Version 4.0      Revision Date: 26.02.2024      SDS Number: 6021984      Date of last issue: 26.01.2024  
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|   |  |  |                         |
|---|--|--|-------------------------|
|   |  | mg/l<br>Acute dermal toxicity:<br>311 mg/kg  |                         |
| terbutryn   | 886-50-0<br>212-950-5                                      | Acute Tox. 4; H302<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br>Skin Sens. 1; H317<br><br>M-Factor (Acute<br>aquatic toxicity): 100<br>M-Factor (Chronic<br>aquatic toxicity): 100<br><br>specific concentration<br>limit<br>Skin Sens. 1; H317<br>>= 3 %  | >= 0,0025 - <<br>0,025  |
| 2-methylisothiazol-3(2H)-one  | 2682-20-4<br>220-239-6<br>613-326-00-9<br>01-2120764690-50 | Acute Tox. 2; H330<br>Acute Tox. 3; H311<br>Acute Tox. 3; H301<br>Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br>Skin Sens. 1A; H317<br>Aquatic Acute 1;<br>H400<br>Aquatic Chronic 1;<br>H410<br>EUH071<br><br>M-Factor (Acute<br>aquatic toxicity): 10<br>M-Factor (Chronic<br>aquatic toxicity): 1<br><br>specific concentration<br>limit<br>Skin Sens. 1A; H317<br>>= 0,0015 % | >= 0,0025 - <<br>0,025  |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 55965-84-9<br>613-167-00-5<br>01-2120764691-48             | Acute Tox. 3; H301<br>Acute Tox. 2; H330<br>Acute Tox. 2; H310<br>Skin Corr. 1C; H314<br>Eye Dam. 1; H318<br>Skin Sens. 1A; H317<br>Aquatic Acute 1;   | >= 0,0002 - <<br>0,0015 |

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according to Regulation (EC) No. 1907/2006, as amended by  
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Version 4.0      Revision Date: 26.02.2024      SDS Number: 6021984      Date of last issue: 26.01.2024  
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|  |   |   |            |
|--|---|---|------------|
|  |   | H400<br>Aquatic Chronic 1;<br>H410<br>EUH071  |            |
|  |   | M-Factor (Acute aquatic toxicity): 100<br>M-Factor (Chronic aquatic toxicity): 100  |            |
|  |   | specific concentration limit<br>Skin Corr. 1C; H314<br>≥ 0,6 %<br>Skin Irrit. 2; H315<br>0,06 - < 0,6 %<br>Eye Irrit. 2; H319<br>0,06 - < 0,6 %<br>Skin Sens. 1A; H317<br>≥ 0,0015 %<br>Eye Dam. 1; H318<br>≥ 0,6 % |            |
| Substances with a workplace exposure limit : |   |   |            |
| Kieselguhr, soda ash flux-calcined           | 68855-54-9<br>272-489-0<br>21-2119488518-22 |   | ≥ 1 - < 10 |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

- General advice : Never give anything by mouth to an unconscious person.  
If you feel unwell, seek medical advice (show the label where possible).  
Move out of dangerous area.  
First aider needs to protect himself.
- If inhaled : Move to fresh air.
- In case of skin contact : Take off all contaminated clothing immediately.  
Do NOT use solvents or thinners.  
In case of contact, immediately flush skin with soap and plenty of water.
- In case of eye contact : If eye irritation persists: Get medical advice/ attention.  
IF IN EYES: Rinse cautiously with water for several minutes.

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according to Regulation (EC) No. 1907/2006, as amended by  
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DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
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| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

Remove contact lenses, if present and easy to do. Continue rinsing.

If swallowed : Seek medical advice.  
Clean mouth with water and drink afterwards plenty of water.  
If swallowed, DO NOT induce vomiting.

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

Risks : May cause an allergic skin reaction.

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

Treatment : No information available.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Do not use a solid water stream as it may scatter and spread fire.

Unsuitable extinguishing media : None known.

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

Specific hazards during fire fighting : In case of fire hazardous decomposition products may be produced such as:  
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Use water spray to cool unopened containers.  
Standard procedure for chemical fires.  
The product itself does not burn.

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## SECTION 6: Accidental release measures

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

Personal precautions : Use protective shoes or boots with rough rubber sole.  
Material can create slippery conditions.  
Do not get in eyes, on skin, or on clothing.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



DE / EN

## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
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| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

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### 6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform  
respective authorities.  
Do not flush into surface water or sanitary sewer system.

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

Methods for cleaning up : Keep in suitable, closed containers for disposal.  
Soak up with inert absorbent material (e.g. sand, silica gel,  
acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

For further information see Section 7 of the safety data sheet.  
, For personal protection see section 8., For disposal considerations see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Use only with adequate ventilation.  
For personal protection see section 8.  
No special technical protective measures required.

No interior use.

In addition, the current technical information for this product  
and its application on [www.caparol.com](http://www.caparol.com) must be observed.

Hygiene measures : Wash hands before eating, drinking, or smoking. Do not eat,  
drink or smoke when using this product. Remove contaminat-  
ed clothing and protective equipment before entering eating  
areas.

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

Requirements for storage : Perishable if frozen. To maintain product quality, do not store  
areas and containers in heat or direct sunlight. Store at room temperature in the  
original container. Containers which are opened must be care-  
fully resealed and kept upright to prevent leakage.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline  
materials.

Storage class (TRGS 510) : 12

### 7.3 Specific end use(s)

Specific use(s) : This information is not available.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN



## Muresko Basis 3

Version 4.0      Revision Date: 26.02.2024      SDS Number: 6021984      Date of last issue: 26.01.2024  
Date of first issue: 16.12.2020

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational Exposure Limits

| Components  | CAS-No.    | Value type (Form of exposure) | Control parameters     | Basis       |
|---|------------|-------------------------------|------------------------|-------------|
| Kieselguhr, soda ash flux-calcined  | 68855-54-9 | AGW (Alveolate fraction)      | 0,3 mg/m <sup>3</sup>  | DE TRGS 900 |
| Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child                  |            |                               |                        |             |
| octhilonone (ISO)   | 26530-20-1 | AGW (Inhalable fraction)      | 0,05 mg/m <sup>3</sup> | DE TRGS 900 |
| Peak-limit category: 2;(I)  |            |                               |                        |             |
| Further information: Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child |            |                               |                        |             |

##### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name                         | End Use      | Routes of exposure         | Potential health effects   | Value                   |
|--|--------------|----------------------------|----------------------------|-------------------------|
| Kieselguhr, soda ash flux-calcined     | Consumers    | Ingestion                  | Long-term systemic effects | 18,70 mg/kg bw/day      |
|  | Consumers    | Inhalation                 | Long-term systemic effects | 0,05 mg/m <sup>3</sup>  |
|  | Workers      | Inhalation                 | Long-term systemic effects | 0,05 mg/m <sup>3</sup>  |
| 1-(2-butoxy-1-methylethoxy)propan-2-ol | Consumers    | Inhalation                 | Long-term systemic effects | 1,20 mg/m <sup>3</sup>  |
|  | Consumers    | Ingestion                  | Long-term systemic effects | 7,50 mg/kg bw/day       |
|  | Consumers    | Skin contact               | Long-term systemic effects | 1,10 mg/kg bw/day       |
|  | Workers      | Inhalation                 | Long-term systemic effects | 10,00 mg/m <sup>3</sup> |
| Workers                                | Skin contact | Long-term systemic effects | 3,00 mg/kg bw/day          |                         |

##### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name          | Environmental Compartment | Value                       |
|-------------------------|---------------------------|-----------------------------|
| glass, oxide, chemicals | Fresh water sediment      | 174 mg/kg dry weight (d.w.) |
|                         | Secondary Poisoning       | 10,9 mg/kg food             |
|                         | Sea water                 | 3,4 µg/l                    |
|                         | Sewage treatment plant    | 100 µg/l                    |
|                         | Sea sediment              | 164 mg/kg dry weight (d.w.) |
|                         | Soil                      | 147 mg/kg dry weight (d.w.) |
|                         | Fresh water               | 6,5 µg/l                    |



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



DE / EN

## Muresko Basis 3

Version 4.0      Revision Date: 26.02.2024      SDS Number: 6021984      Date of last issue: 26.01.2024  
Date of first issue: 16.12.2020

|  |                          |                               |
|--|--------------------------|-------------------------------|
| Kieselguhr, soda ash flux-calcined     | Sewage treatment plant   | 100 mg/l                      |
| 1-(2-butoxy-1-methylethoxy)propan-2-ol | Sewage treatment plant   | 100 mg/l                      |
|  | Fresh water              | 0,519 mg/l                    |
|  | Soil                     | 0,287 mg/kg dry weight (d.w.) |
|  | Intermittent use/release | 5,19 mg/l                     |
|  | Fresh water sediment     | 2,96 mg/kg dry weight (d.w.)  |
|  | Sea water                | 0,0519 mg/l                   |
|  | Sea sediment             | 0,296 mg/kg dry weight (d.w.) |

### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : DGVU Regulation 112-192 - Use of eye and face protection

Goggles

Hand protection

Material : Nitrile rubber  
Glove thickness : 0,2 mm  
Protective index : Class 3

Remarks : Before removing gloves clean them with soap and water.  
Wear suitable gloves tested to EN374.  
DGVU Regulation 112-195 - Use of protective gloves

Skin and body protection

: Safety shoes  
Long sleeved clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Skin should be washed after contact.

Remove and wash contaminated clothing before re-use.  
During spray application: impervious clothing

Respiratory protection

: No personal respiratory protective equipment normally required.

During spray application: Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

DGVU Regulation 112-190 - Use of breathing equipment

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

### SECTION 9: Physical and chemical properties

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

|  |   |  |
|--|---|--|
| Physical state                                   | : | liquid   |
| Color  | : | off-white  |
| Odor   | : | characteristic   |
| Melting point/freezing point                     | : | ca. 0 °C   |
| Boiling point/boiling range                      | : | ca. 100 °C   |
| Upper explosion limit / Upper flammability limit | : | not determined   |
| Lower explosion limit / Lower flammability limit | : | not determined   |
| Flash point                                      | : | Not applicable   |
| Autoignition temperature                         | : | not determined   |
| Decomposition temperature                        | : | Not applicable   |
| pH   | : | 9,6 (20 °C)<br>Concentration: 100 %<br>Method: DIN EN ISO 19396-1:2020-05<br>(as a dispersion) |
| Viscosity  |   |  |
| Viscosity, dynamic                               | : | > 0,000 mPa.s (20 °C)<br>Method: ISO 3219  |
| Viscosity, kinematic                             | : | not determined   |
| Flow time  | : | not determined   |
| Solubility(ies)                                  |   |  |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

Water solubility : completely miscible

Partition coefficient: n-octanol/water : not determined

Vapor pressure : ca. 23,4 hPa (20 °C)

Density : 1,42 g/cm<sup>3</sup> (20 °C)  
Method: DIN EN ISO 2811-1

Bulk density : Not applicable

Relative vapor density : not determined

### 9.2 Other information

Explosives : Not applicable

Oxidizing properties : Not applicable

Flammability (liquids) : The product is not flammable.

Evaporation rate : Not applicable

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with acids and bases.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

Incompatible with oxidizing agents.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## SECTION 11: Toxicological information

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

#### Acute toxicity

|| **Not classified based on available information.**

#### Components:

##### **1,2-benzisothiazol-3(2H)-one:**

Acute oral toxicity : LD50 (Rat): 532 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0,4 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg

##### **octhilinone (ISO):**

Acute oral toxicity : Acute toxicity estimate: 125 mg/kg  
Method: Acute toxicity estimate according to Regulation (EC)  
No. 1272/2008

Acute inhalation toxicity : Acute toxicity estimate: 0,27 mg/l  
Test atmosphere: dust/mist  
Method: Acute toxicity estimate according to Regulation (EC)  
No. 1272/2008

Acute dermal toxicity : Acute toxicity estimate: 311 mg/kg  
Method: Acute toxicity estimate according to Regulation (EC)  
No. 1272/2008

##### **terbutryn:**

Acute oral toxicity : LD50 Oral (Rat): > 300 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg

##### **2-methylisothiazol-3(2H)-one:**

Acute oral toxicity : LD50 (Rat): 120 mg/kg

Acute inhalation toxicity : LC50 (Rat): 0,145 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



DE / EN

## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

Acute oral toxicity : LD50 (Rat): 66 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 0,17 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 141 mg/kg  
Method: OECD Test Guideline 402

#### Skin corrosion/irritation

|| Not classified based on available information.

#### Serious eye damage/eye irritation

|| Not classified based on available information.

#### Respiratory or skin sensitization

##### Skin sensitization

|| May cause an allergic skin reaction.

##### Respiratory sensitization

|| Not classified based on available information.

##### Germ cell mutagenicity

|| Not classified based on available information.

##### Carcinogenicity

|| Not classified based on available information.

##### Reproductive toxicity

|| Not classified based on available information.

##### STOT-single exposure

|| Not classified based on available information.

##### STOT-repeated exposure

|| Not classified based on available information.

##### Aspiration toxicity

|| Not classified based on available information.

## 11.2 Information on other hazards

#### Endocrine disrupting properties

|| Not classified based on available information.

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation

# SAFETY DATA SHEET

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DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus (Water flea)): > 10 mg/l  
End point: Immobilization  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: no

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 10 mg/l  
End point: Growth inhibition  
Exposure time: 72 h  
Test Type: Cell multiplication inhibition test  
Method: OECD Test Guideline 201  
GLP: no

#### **Ecotoxicology Assessment**

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

#### Components:

##### **1,2-benzisothiazol-3(2H)-one:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2,2 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia): 3,27 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

##### **octhilinone (ISO):**

M-Factor (Acute aquatic toxicity) : 100

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

icity)

M-Factor (Chronic aquatic toxicity) : 100

### terbutryn:

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

### 2-methylisothiazol-3(2H)-one:

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 100

## 12.2 Persistence and degradability

No data available

## 12.3 Bioaccumulative potential

### Components:

#### 1,2-benzisothiazol-3(2H)-one:

Partition coefficient: n-octanol/water : log Pow: 0,63 - 0,76  
pH: 7

#### octhilinone (ISO):

Partition coefficient: n-octanol/water : log Pow: 2,61 (25 °C)  
pH: 7

#### terbutryn:

Partition coefficient: n-octanol/water : log Pow: 3,66

#### 2-methylisothiazol-3(2H)-one:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878



DE / EN

## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

Partition coefficient: n-octanol/water : log Pow: -0,486 (25 °C)  
pH: 7

### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1):

Partition coefficient: n-octanol/water : log Pow: <= 0,75  
Method: OECD Test Guideline 117

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : 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.

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : 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

#### Product:

Additional ecological information : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : .  
Waste should not be disposed of via wastewater.

Contaminated packaging : Only completely emptied containers should be given for recycling.

Waste Code : used product  
080112, waste paint and varnish other than those mentioned in 08 01 11\*



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.2 UN proper shipping name

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

#### 14.4 Packing group

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA (Cargo) : Not regulated as a dangerous good  
IATA (Passenger) : Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

### SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 75, 3

If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). : None

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : None

**Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.** : **Not applicable**

Water hazard class (Germany) : WGK 1 slightly water endangering  
Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and paints / Giscode : M-SF01F Water-based, silicone resin paints, active agents

. : BSW50 Coating materials, water-based, containing solvents, film-protected

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 0,5 %

Volatile organic compounds : Directive 2004/42/EC  
< 3 %  
< 40 g/l

**Other regulations:**

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN

## Muresko Basis 3



|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

## SECTION 16: Other information

### Full text of H-Statements

|        |   |
|--------|---|
| H301   | : Toxic if swallowed.                                   |
| H302   | : Harmful if swallowed.                                 |
| H310   | : Fatal in contact with skin.                           |
| H311   | : Toxic in contact with skin.                           |
| H314   | : Causes severe skin burns and eye damage.              |
| H315   | : Causes skin irritation.                               |
| H317   | : May cause an allergic skin reaction.                  |
| H318   | : Causes serious eye damage.                            |
| H330   | : Fatal if inhaled.                                     |
| H400   | : Very toxic to aquatic life.                           |
| H410   | : Very toxic to aquatic life with long lasting effects. |
| H411   | : Toxic to aquatic life with long lasting effects.      |
| EUH071 | : Corrosive to the respiratory tract.                   |

### Full text of other abbreviations

|                   |   |
|-------------------|---|
| Acute Tox.        | : Acute toxicity  |
| Aquatic Acute     | : Short-term (acute) aquatic hazard                       |
| Aquatic Chronic   | : Long-term (chronic) aquatic hazard                      |
| Eye Dam.          | : Serious eye damage                                      |
| Skin Corr.        | : Skin corrosion  |
| Skin Irrit.       | : Skin irritation   |
| Skin Sens.        | : Skin sensitization                                      |
| DE TRGS 900       | : Germany. TRGS 900 - Occupational exposure limit values. |
| DE TRGS 900 / AGW | : Time Weighted Average                                   |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

|                   |  |
|-------------------|--|
| Other information | : No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC. Communication of Uses is not required in accordance with |
|-------------------|--|

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by  
Commission Regulation (EU) 2020/878

DE / EN



## Muresko Basis 3

|         |                |             |                                 |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 26.01.2024  |
| 4.0     | 26.02.2024     | 6021984     | Date of first issue: 16.12.2020 |

REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

Sources of key data used to compile the Material Safety Data Sheet :

- ECHA WebSite
- ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs. Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH
- NIOSH - Registry of toxic effects of chemical substances
- ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
- SAX'S - Dangerous properties of industrial materials
- GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)
- Toxnet - Toxicology Data Network

### Classification of the mixture:

|                   |      |
|-------------------|------|
| Skin Sens. 1      | H317 |
| Aquatic Chronic 3 | H412 |

### Classification procedure:

Calculation method  
Based on product data or assessment

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

### REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our upstream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

DE / EN