according to Regulation (EC) No. 1907/2006

CAPAROL

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# **HaftGrund EG**

Version Revision Date: SDS Number: Date of last issue: 27.11.2020 3.0 02.02.2023 6002298 Date of first issue: 02.02.2023

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

1.1 Product identifier

Trade name : HaftGrund EG

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

Use of the Sub- : Water-borne coatings

stance/Mixture

Recommended restrictions

on use

: within adequate application - none

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

E-mail address Responsi-

ble/issuing person

: msds@dr-rmi.com

1.4 Emergency telephone

Emergency telephone 1 : +49613284463 GBK GmbH

### **SECTION 2: Hazards identification**

# 2.1 Classification of the substance or mixture

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

Not a hazardous substance or mixture.

# 2.2 Label elements

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

Not a hazardous substance or mixture.

Precautionary Statements : P101 If medical advice is needed, have product container or

label at hand.

P102 Keep out of reach of children.

according to Regulation (EC) No. 1907/2006

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#### 2.3 Other hazards

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.

Ecological information: 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.

Toxicological information: 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.

When spraying, use face mask with particle filter P2 against spray dust.

### **SECTION 3: Composition/information on ingredients**

#### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Silicic acid, potassium salt	1312-76-1 215-199-1 01-2119456888-17	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 ———————————————————————————————————	>= 1 - < 10
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351	>= 0,1 - < 1

For explanation of abbreviations see section 16.

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### **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 : 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. 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

None known.

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

Treatment : No information available.

### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or car-

bon dioxide.

Use extinguishing measures that are appropriate to local cir-

cumstances 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:

according to Regulation (EC) No. 1907/2006

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Carbon monoxide, carbon dioxide and unburned hydrocar-

bons (smoke).

#### 5.3 Advice for firefighters

Special protective equipment:

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

Further information : Standard procedure for chemical fires.

The product itself does not burn.

### **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.

#### 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.

### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.

No special technical protective measures required.

In addition, the current technical information for this product and its application on 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 contaminated clothing and protective equipment before entering eating

according to Regulation (EC) No. 1907/2006

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areas.

# 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Perishable if frozen. To maintain product quality, do not store 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.

### **SECTION 8: Exposure controls/personal protection**

# 8.1 Control parameters

# **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	AGW (Inhalable fraction)	10 mg/m3 (Titanium dioxide)	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: When there is compliance with the OEL and biological			
	tolerance values, there is no risk of harming the unborn child			
		AGW (Alveolate	1,25 mg/m3	DE TRGS
		fraction)	(Titanium dioxide)	900
	Peak-limit category: 2;(II)			
	Further information: When there is compliance with the OEL and biological			
	tolerance values, there is no risk of harming the unborn child			
		BM (Alveolar dust fraction)	0,5 mg/m3	DE TRGS 527

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

Substance name	End Use	Routes of exposure	Potential health effects	Value
Kaolin, calcined	Workers	Inhalation	Acute systemic effects	3,00 mg/m3
	Workers	Inhalation	Acute local effects	3,00 mg/m3

according to Regulation (EC) No. 1907/2006



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	Workers	Inhalation	Long-term systemic effects	3,00 mg/m3
	Workers	Inhalation	Long-term local ef- fects	3,00 mg/m3
Silicic acid, potassium salt	Consumers	Inhalation	Long-term systemic effects	1,38 mg/m3
	Consumers	Ingestion	Long-term systemic effects	0,74 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	0,74 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	5,61 mg/m3
	Workers	Skin contact	Long-term systemic effects	1,49 mg/kg bw/day
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
	Workers	Inhalation	Long-term local ef- fects	10,00 mg/m3

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

Substance name	Environmental Compartment	Value
Kaolin, calcined	Intermittent use/release	25 mg/l
	Fresh water	4,1 mg/l
	Sea water	0,41 mg/l
	Sewage treatment plant	1400 mg/l
Silicic acid, potassium salt	Sea water	1 mg/l
	Intermittent use/release	7,5 mg/l
	Fresh water	7,5 mg/l
	Sewage treatment plant	348 mg/l
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 μm]	Sewage treatment plant	100 mg/l
	Fresh water	0,184 mg/l
	Soil	100 mg/kg dry weight (d.w.)
	Sea water	0,0184 mg/l
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
	Sea sediment	100 mg/kg dry weight (d.w.)
	Intermittent use/release	0,193 mg/l

# 8.2 Exposure controls

### Personal protective equipment

according to Regulation (EC) No. 1907/2006

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Eye/face protection : Always wear eye protection when the potential for inadvertent

eye contact with the product cannot be excluded.

not required

DGUV 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.

DGUV 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.

Respiratory protection : No personal respiratory protective equipment normally re-

quired.

DGUV Regulation 112-190 - Use of breathing equipment

When spraying, use face mask with particle filter P2 against

spray dust.

# **SECTION 9: Physical and chemical properties**

# 9.1 Information on basic physical and chemical properties

Physical state : liquid

Color : No data available

Odor : No data available

Melting point/freezing point : ca. 0 °C

Boiling point/boiling range : ca. 100 °C

Upper explosion limit / Upper : not determined

according to Regulation (EC) No. 1907/2006



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flammability limit

Lower explosion limit / Lower : not determined

flammability limit

Flash point Not applicable

Autoignition temperature not determined

Decomposition temperature Not applicable

11.4 pΗ

Concentration: 100 %

Viscosity

Viscosity, dynamic No data available

Solubility(ies)

Water solubility completely miscible

Partition coefficient: n-

octanol/water

not determined

Vapor pressure ca. 23,4 hPa (20 °C)

Density 1,5300 g/cm3

Relative vapor density not determined

9.2 Other information

**Explosives** Not applicable

Oxidizing properties Not applicable

Flammability (liquids) The product is not flammable.

### **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.

according to Regulation (EC) No. 1907/2006

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#### 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.

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.

### Skin corrosion/irritation

Not classified based on available information.

# **Product:**

Remarks : Information given is based on tests on products of similar

composition.

Based on OECD test 431 this product is not classified as skin

corrosive/skin irritant.

Remarks : Based on OECD test 431 this product is not classified as skin

corrosive/skin irritant.

Information given is based on tests on products of similar

composition.

### Serious eye damage/eye irritation

Not classified based on available information.

# Respiratory or skin sensitization

# Skin sensitization

Not classified based on available information.

# Respiratory sensitization

Not classified based on available information.

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

according to Regulation (EC) No. 1907/2006

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### 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**

#### **Product:**

Assessment : The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

# **SECTION 12: Ecological information**

### 12.1 Toxicity

No data available

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

### 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 consid-

ered to have endocrine disrupting properties according to

according to Regulation (EC) No. 1907/2006

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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 infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

# **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 recy-

cling.

Waste Code : used product

080112, waste paint and varnish other than those mentioned

in 08 01 11\*

### **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)

according to Regulation (EC) No. 1907/2006



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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 regu-

lations.

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

Not applicable for product as supplied.

### **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: formaldehyde (Number on list 72, 28)

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59).

: This product is a mixture and does not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be gener-

ated.

Regulation (EC) No 1005/2009 on substances that de- : Not applicable

according to Regulation (EC) No. 1907/2006

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plete the ozone layer

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

REACH - List of substances subject to authorisation

(Annex XIV)

Not applicable

None

Not applicable

Seveso III: Directive 2012/18/EU of the Eurobean Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

ny)

Water hazard class (Germa: WGK 1 slightly water endangering

Classification according to AwSV, Annex 1 (5.2)

paints / Giscode

Product code for laquers and : M-GP01 Water-based primers, pigmented

: BSW10 Coating materials, water-based, low preservative

content

Volatile organic compounds : Directive 2004/42/EC

> < 0.1 % < 1 g/l

#### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

#### **SECTION 16: Other information**

#### **Full text of H-Statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation. H335 May cause respiratory irritation.

Suspected of causing cancer if inhaled. H351

Full text of other abbreviations

Carc. Carcinogenicity Eve Irrit. Eye irritation Skin Irrit. Skin irritation

STOT SE Specific target organ toxicity - single exposure DE TRGS 527 Germany. TRGS 527 - Activities with nanomaterials DE TRGS 900 Germany. TRGS 900 - Occupational exposure limit values.

DE TRGS 527 / BM Assessment scale DE TRGS 900 / AGW Time Weighted Average

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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AlIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; (EQD, to 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 - 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 Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Code for the Construction and Equipment of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International International Concentration; ICCO - International Concentration; ICCO - Lethal Dose 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 Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals;

#### **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 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

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.

according to Regulation (EC) No. 1907/2006

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### **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.

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