

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

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

#### 1.1 Product identifier

Trade name : Dupa-Haftgrund

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

Use of the Sub-  
stance/Mixture : Solvent-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  
E-mail address Responsible/issuing person : msds@dr-rmi.com

#### 1.4 Emergency telephone number

Emergency telephone number 1 : +49613284463 GBK GmbH

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Serious eye damage, Category 1 H318: Causes serious eye damage.

Specific target organ toxicity - single exposure, Category 3, Central nervous system H336: May cause drowsiness or dizziness.

#### 2.2 Label elements

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

Hazard pictograms : 

Signal word : Danger

Hazard statements : H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.

### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ eye protection.

### Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

### Storage:

P405 Store locked up.

### Hazardous components which must be listed on the label:

propan-1-ol  
2-methylpropan-1-ol

### Additional Labelling

**EUH211** Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

## 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.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Polymer resin paint, solvent-containing

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version 3.0      Revision Date: 17.11.2020      Print Date 19.11.2020      Date of last issue: 07.08.2020  
Date of first issue: 10.12.2019

### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
propan-1-ol	71-23-8 200-746-9 603-003-00-0 01-2119486761-29	Flam. Liq. 2; H225 Eye Dam. 1; H318 STOT SE 3; H336	>= 30 - < 50
titanium dioxide	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351	>= 10 - < 20
2-methylpropan-1-ol	78-83-1 201-148-0 603-108-00-1 01-2119484609-23	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 STOT SE 3; H336	>= 3 - < 10
Substances with a workplace exposure limit :			
Quartz (SiO <sub>2</sub> )	14808-60-7 238-878-4 01-2120770509-45		>= 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 : Call a physician.  
If breathing is irregular or stopped, administer artificial respiration.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.  
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.  
Take off all contaminated clothing immediately.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

- 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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : None known.

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

Specific hazards during fire-fighting : Cool closed containers exposed to fire with water spray.  
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 firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.  
In the event of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

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

Personal precautions : Do not get in eyes, on skin, or on clothing.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
Ensure adequate ventilation.  
Remove all sources of ignition.

### 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 : Non-sparking tools should be used.  
For personal protection see section 8.  
Avoid exceeding the given occupational exposure limits (see section 8).  
Provide sufficient air exchange and/or exhaust in work rooms.

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

Advice on protection against fire and explosion : Vapours may form explosive mixtures with air. Vapours are heavier than air and may spread along floors. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Avoid contact with the skin and the eyes. Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product.

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

Requirements for storage areas and containers : Store in original container. Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version 3.0      Revision Date: 17.11.2020      Print Date 19.11.2020      Date of last issue: 07.08.2020  
Date of first issue: 10.12.2019

Storage class (TRGS 510) : 3, Flammable liquids

### 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	13463-67-7	AGW (Inhalable fraction)	10 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
		Peak-limit: excursion factor (category): 2;(II)		
		AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
		Peak-limit: excursion factor (category): 2;(II)		
2-methylpropan-1-ol	78-83-1	AGW	100 ppm 310 mg/m <sup>3</sup>	DE TRGS 900
		Peak-limit: excursion factor (category): 1;(I)		
		Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).		
Quartz (SiO <sub>2</sub> )	14808-60-7	TWA (Respirable dust)	0,1 mg/m <sup>3</sup>	2004/37/EC
		Further information: Carcinogens or mutagens		

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

Substance name	End Use	Exposure routes	Potential health effects	Value
propan-1-ol	Consumers	Inhalation	Long-term systemic effects	80,00 mg/m <sup>3</sup>
	Consumers	Ingestion	Long-term systemic effects	61,00 mg/kg bw/day
	Consumers	Inhalation	Acute systemic effects	1036,00 mg/m <sup>3</sup>
	Consumers	Skin contact	Long-term systemic effects	81,00 mg/kg bw/day
	Workers	Inhalation	Acute systemic effects	1723,00 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term systemic effects	268,00 mg/m <sup>3</sup>
	Workers	Skin contact	Long-term systemic effects	136,00 mg/kg bw/day

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version 3.0      Revision Date: 17.11.2020      Print Date 19.11.2020      Date of last issue: 07.08.2020  
Date of first issue: 10.12.2019

titanium dioxide	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
	Workers	Inhalation	Long-term local effects	10,00 mg/m <sup>3</sup>
2-methylpropan-1-ol	Consumers	Inhalation	Long-term local effects	55,00 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	310,00 mg/m <sup>3</sup>

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

Substance name	Environmental Compartment	Value
propan-1-ol	Fresh water sediment	22,8 mg/kg dry weight (d.w.)
	Intermittent use/release	10 mg/l
	Marine sediment	2,28 mg/kg dry weight (d.w.)
	Sewage treatment plant	96 mg/l
	Fresh water	10 mg/l
	Marine water	1 mg/l
	Soil	2,2 mg/kg dry weight (d.w.)
titanium dioxide	Sewage treatment plant	100 mg/l
	Fresh water	0,184 mg/l
	Soil	100 mg/kg dry weight (d.w.)
	Marine water	0,0184 mg/l
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
	Marine sediment	100 mg/kg dry weight (d.w.)
2-methylpropan-1-ol	Intermittent use/release	0,193 mg/l
	Fresh water	0,4 mg/l
	Marine water	0,04 mg/l
	Soil	0,0699 mg/kg dry weight (d.w.)
	Intermittent use/release	11 mg/l
	Fresh water sediment	1,52 mg/kg dry weight (d.w.)
	Marine sediment	0,152 mg/kg dry weight (d.w.)
	Sewage treatment plant	10 mg/l

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : German trade association rules - BGR 192 Eye protection

Tightly fitting safety goggles

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

### Hand protection

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

### Remarks

: Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374.  
German trade association leaflet: Carry gloves (ZH 1/706)

### 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

: Roller application or brushing: This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

German trade association rules - BGR 190 Breathing protection

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

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid  
Colour : No data available  
Odour : No data available  
Odour Threshold : Not relevant  
pH : 6,95  
Concentration: 10 %



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

Melting point/freezing point	:	not determined
Boiling point/boiling range	:	not determined
Flash point	:	29,5 °C
Evaporation rate	:	Not applicable
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Vapour pressure	:	not determined
Relative vapour density	:	not determined
Relative density	:	not determined
Density	:	1,2000 g/cm <sup>3</sup>
Solubility(ies)		
Water solubility	:	insoluble
Partition coefficient: n-octanol/water	:	not determined
Auto-ignition temperature	:	not determined
Decomposition temperature	:	Not applicable
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 20,5 mm <sup>2</sup> /s (40 °C) Method: ISO 3104/3105
Flow time	:	> 60 s at 23 °C Cross section: 6 mm Method: ISO 2431
Explosive properties	:	Not applicable
Oxidizing properties	:	Not applicable

### 9.2 Other information

Flammability (liquids)	:	Sustains combustion
------------------------	---	---------------------

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

### 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 : Vapours may form explosive mixture with air.  
Hazardous decomposition products formed under fire conditions.

#### 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 toxicological effects

##### Acute toxicity

##### Product:

Acute oral toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute inhalation toxicity : Remarks: Based on available data, the classification criteria are not met.

Acute dermal toxicity : Remarks: Based on available data, the classification criteria are not met.

##### Components:

##### **propan-1-ol:**

Acute oral toxicity : LD50 Oral (Rat): 8.000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 33,8 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rabbit): 4.032 mg/kg

### **2-methylpropan-1-ol:**

Acute oral toxicity : LD50 Oral (Rat): 2.460 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 4.200 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Remarks : According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

### **Serious eye damage/eye irritation**

#### **Product:**

Remarks : May cause irreversible eye damage.

### **Respiratory or skin sensitisation**

#### **Product:**

Remarks : No data available

## SECTION 12: Ecological information

### **12.1 Toxicity**

#### **Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

### 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 Other adverse effects

**Product:**

Additional ecological information : 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 recycling.

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

ADN : UN 1263  
ADR : UN 1263  
RID : UN 1263  
IMDG : UN 1263  
IATA : UN 1263

### 14.2 UN proper shipping name

ADN : PAINT  
ADR : PAINT  
RID : PAINT

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

**IMDG** : PAINT

**IATA** : Paint

### 14.3 Transport hazard class(es)

**ADN** : 3

**ADR** : 3

**RID** : 3

**IMDG** : 3

**IATA** : 3

### 14.4 Packing group

#### **ADN**

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

#### **ADR**

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3  
Tunnel restriction code : (D/E)

#### **RID**

Packing group : III  
Classification Code : F1  
Hazard Identification Number : 30  
Labels : 3

#### **IMDG**

Packing group : III  
Labels : 3  
EmS Code : F-E, S-E

#### **IATA (Cargo)**

Packing instruction (cargo aircraft) : 366  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

#### **IATA (Passenger)**

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Flammable Liquids

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

### 14.5 Environmental hazards

#### ADN

Environmentally hazardous : no

#### ADR

Environmentally hazardous : no

#### RID

Environmentally hazardous : no

#### IMDG

Marine pollutant : no

### 14.6 Special precautions for user

Remarks : ADR: Packages smaller than or equal to 450 litres, not goods/merchandise of Class 3  
IMDG: Packages smaller than or equal to 450 litres, not goods/merchandise of Class 3

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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

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, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

REACH - Candidate List of Substances of Very High Concern for Authorisation (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 generated.

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.

P5c FLAMMABLE LIQUIDS

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

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

Product code for laquers and paints / Giscode : M-GP02 Solvent-based primers, pigmented, aromatics removed

. : BSL40 Coating materials, strongly solvent-based, aromatic-free, classified

Volatile organic compounds : Directive 2004/42/EC  
< 41 %  
< 490 g/l

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.  
H226 : Flammable liquid and vapour.  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H335 : May cause respiratory irritation.  
H336 : May cause drowsiness or dizziness.  
H351 : Suspected of causing cancer if inhaled.

### Full text of other abbreviations

Carc. : Carcinogenicity  
Eye Dam. : Serious eye damage  
Flam. Liq. : Flammable liquids  
Skin Irrit. : Skin irritation  
STOT SE : Specific target organ toxicity - single exposure  
2004/37/EC : Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work  
DE TRGS 900 : Germany. TRGS 900 - Occupational exposure limit values.  
2004/37/EC / TWA : Long term exposure limit  
DE TRGS 900 / AGW : Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - 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 Concen-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

tration 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; 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 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 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:**

Flam. Liq. 3	H226
Eye Dam. 1	H318
STOT SE 3	H336

#### **Classification procedure:**

Based on product data or assessment
Calculation method
Calculation method

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.



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Dupa-Haftgrund

Version	Revision Date:	Print Date	Date of last issue: 07.08.2020
3.0	17.11.2020	19.11.2020	Date of first issue: 10.12.2019

---

### 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 up-stream-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