

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Capalac Hochglanz-Buntlack RAL 6011

Version	Revision Date:	Print Date	Date of last issue: -
1.0	24.07.2019	25.07.2019	Date of first issue: 24.07.2019

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

#### 1.1 Product identifier

Trade name : Capalac Hochglanz-Buntlack RAL 6011

#### 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 : +49615471222  
E-mail address Responsible/issuing person : msds@dr-rmi.com

#### 1.4 Emergency telephone number

Emergency telephone number 1 : +49615470202

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### 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.

#### 2.2 Label elements

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

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.

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Supplemental Hazard Statements : EUH066 Repeated exposure may cause skin dryness or cracking.

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.

### Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

### Additional Labelling

EUH208 Contains phthalic anhydride. May produce an allergic reaction.

### 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 : Alkyd-resin-based lacquer, solvent-containing

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
naphtha (petroleum), hydrotreated heavy	64742-48-9 265-150-3 649-327-00-6 01-2119486659-16	Asp. Tox. 1; H304 EUH066	>= 10 - < 20
phthalic anhydride	85-44-9 201-607-5 607-009-00-4 01-2119457017-41	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1; H317 STOT SE 3; H335	>= 0,1 - < 1
Substances with a workplace exposure limit :			
naphtha (petroleum), hydrotreated heavy	64742-48-9 265-150-3 649-327-00-6 01-2119463258-33	Flam. Liq. 3; H226 STOT SE 3; H336 Asp. Tox. 1; H304 EUH066	>= 1 - < 10
titanium dioxide	13463-67-7 236-675-5 01-2119489379-17		>= 1 - < 10

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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- General advice : First aider needs to protect himself.  
Move out of dangerous area.  
If you feel unwell, seek medical advice (show the label where possible).  
Never give anything by mouth to an unconscious person.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Take off all contaminated clothing immediately.  
In case of contact, immediately flush skin with soap and plenty of water.  
Do NOT use solvents or thinners.
- In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/ attention.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Clean mouth with water and drink afterwards plenty of water.  
Seek medical advice.

#### 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 carbon dioxide.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- 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).

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Cool closed containers exposed to fire with water spray.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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

## SECTION 6: Accidental release measures

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

Personal precautions : Remove all sources of ignition.  
Ensure adequate ventilation.  
Do not get in eyes, on skin, or on clothing.

### 6.2 Environmental precautions

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

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

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

### 6.4 Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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

Advice on protection against fire and explosion : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

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

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

Storage class (TRGS 510) : 3, Flammable liquids

### 7.3 Specific end use(s)

Specific use(s) : Please follow the technical information.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
naphtha (petroleum), hydrotreated heavy	64742-48-9	AGW	1.500 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			
		AGW	600 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			
naphtha (petroleum), hydrotreated heavy	64742-48-9	AGW	1.500 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			
		AGW	600 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	Group exposure limit for hydrocarbon solvent mixtures, Commission for dangerous substances, See also No. 2.9 of the TRGS 900			
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)			

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ry)	
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).
	AGW (Alveolate fraction) 1,25 mg/m3 (Titanium dioxide) DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)
Further information	General dust value. For this substance no specific occupational exposure limit value is established, since the AGS does not yet have information regarding unspecific action on the respiratory organs in excess of the normal values., Commission for dangerous substances, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).

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

Substance name	End Use	Exposure routes	Potential health effects	Value
titanium dioxide	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
phthalic anhydride	Consumers	Inhalation	Long-term systemic effects	8,60 mg/m3
	Consumers	Ingestion	Long-term systemic effects	5,00 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	5,00 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
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.)
	Intermittent use/release	0,193 mg/l
phthalic anhydride	Soil	0,173 mg/kg dry weight (d.w.)
	Fresh water sediment	3,8 mg/kg dry weight (d.w.)
	Sewage treatment plant	10 mg/l
	Intermittent use/release	5,6 mg/l
	Marine sediment	0,38 mg/kg dry weight (d.w.)
	Marine water	0,1 mg/l
	Fresh water	1 mg/l

## 8.2 Exposure controls

### Personal protective equipment

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- Eye protection : German trade association rules - BGR 192 Eye protection  
Goggles
- Hand protection  
Material : Nitrile rubber  
Glove thickness : 0,2 mm  
Protective index : Class 3
- Remarks : Wear suitable gloves tested to EN374. Before removing gloves clean them with soap and water. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.  
German trade association leaflet: Carry gloves (ZH 1/706)
- Skin and body protection : Long sleeved clothing  
Safety shoes  
  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.  
  
Skin should be washed after contact.  
  
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.  
  
German trade association rules - BGR 190 Breathing protection

## 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 : not determined
- Melting point/freezing point : not determined
- Boiling point/boiling range : not determined
- Flash point : 49 °C

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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	:	1,1000 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)
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
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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	:	Hazardous decomposition products formed under fire conditions. Vapours may form explosive mixture with air.
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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 oxidizing agents.  
Incompatible with acids and bases.

### 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:

##### phthalic anhydride:

Acute oral toxicity : LD50 (Rat): 1.530 mg/kg

#### Skin corrosion/irritation

##### Product:

Remarks : May cause skin irritation in susceptible persons.

#### Serious eye damage/eye irritation

##### Product:

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

#### Respiratory or skin sensitisation

##### Product:

Remarks : Repeated contact may cause allergic reactions in very susceptible persons.

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### 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

#### 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

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**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  
**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

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Labels : Flammable Liquids

### IATA (Passenger)

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

### 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  
see sections 6-8  
IMDG: Packages smaller than or equal to 30 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 - 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

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

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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

34 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams), (d) heavy fuel oils (e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points (a) to (d)

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

Product code for laquers and paints / Giscode : M-LL01 Alkyd resin varnishes, aromatics removed

. : BSL20 Coating materials, solvent-based, aromatic-free, classified

Volatile organic compounds : Directive 2004/42/EC  
< 28 %  
< 300 g/l

### Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

### 15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

EUH066	: Repeated exposure may cause skin dryness or cracking.
H226	: Flammable liquid and vapour.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H334	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.

