

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## Capadur RenoTech Basis 3

Version	Revision Date:	Print Date	Date of last issue: 15.11.2019
2.0	21.07.2020	22.07.2020	Date of first issue: 15.11.2019

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

#### 1.1 Product identifier

Trade name : Capadur RenoTech Basis 3

#### 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.

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 :



Signal word : Warning

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Hazard statements : H226 Flammable liquid and vapour.  
H412 Harmful to aquatic life with long lasting effects.

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.  
P273 Avoid release to the environment.

### Response:

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

### Additional Labelling

**EUH208** Contains 4,5-dichloro-2-octyl-2H-isothiazol-3-one, 2-octyl-2H-isothiazol-3-one, maleic anhydride, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, Fatty acids, C14-18 and C16-18-unsatd., maleated, reaction products with oleylamine, Fatty acids, C18-unsatd., dimers, compds. with coco alkylamines, methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. **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

#### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	64742-48-9 265-150-3 649-327-00-6 01-2119463258-33	Asp. Tox. 1; H304 EUH066	>= 20 - < 30
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	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	>= 10 - < 20
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7 255-437-1 01-2119491304-40	Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1;	>= 0,25 - < 1

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Fatty acids, C14-18 and C16-18-unsatd., maleated, reaction products with oleylamine	85711-47-3 288-307-8 01-2120097630-54	H410 Skin Sens. 1; H317	$\geq 0,1 - < 1$
Fatty acids, C18-unsatd., dimers, compds. with coco alkylamines	68647-95-0 01-2120099181-55	Skin Irrit. 2; H315 Skin Sens. 1B; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	$\geq 0,1 - < 0,25$
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7 280-060-4	Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 1	$\geq 0,1 - < 0,25$
4,5-dichloro-2-octyl-2H-isothiazol-3-one	64359-81-5 264-843-8	Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Corr. 1B; H314 Skin Sens. 1; H317 Aquatic Acute 1; H400 Eye Dam. 1; H318 Aquatic Chronic 1; H410  M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 10	$\geq 0,0025 - < 0,025$
2-octyl-2H-isothiazol-3-one	26530-20-1 247-761-7 613-112-00-5 01-2120768921-45	Acute Tox. 4; H302 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Corr. 1B; H314 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Eye Dam. 1; H318  M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1	$\geq 0,0025 - < 0,025$
maleic anhydride	108-31-6 203-571-6 607-096-00-9 01-2119472428-31	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Resp. Sens. 1; H334 Skin Sens. 1A; H317 STOT RE 1; H372	$< 0,001$

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 : 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.
- 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).

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### 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.

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## 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.  
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.

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## 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 : 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 : Store in original container. Store between 5 and 25 °C in a

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areas and containers      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.

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
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	64742-48-9	AGW	300 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	See also No. 2.9 of the TRGS 900, Commission for dangerous substances, Group exposure limit for hydrocarbon solvent mixtures			
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	64742-48-9	AGW	300 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)			
Further information	See also No. 2.9 of the TRGS 900, Commission for dangerous substances, Group exposure limit for hydrocarbon solvent mixtures			
2-octyl-2H-isothiazol-3-one	26530-20-1	AGW (Inhalable fraction)	0,05 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	2;(I)			
Further information	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child, Skin absorption, Senate commission for the review of compounds at the work place dangerous for the health (MAK-commission).			
maleic anhydride	108-31-6	AGW (Vapour and aerosols)	0,02 ppm 0,081 mg/m <sup>3</sup>	DE TRGS 900
Peak-limit: excursion factor (category)	1; =2.5=(I)			
Further information	Substance sensitizing through the skin and respiratory system, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child, Sum of vapor and aerosols., Senate commission for			

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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
Silicic acid, aluminum sodium salt	Workers	Inhalation	Long-term local effects	4,00 mg/m <sup>3</sup>
maleic anhydride	Consumers	Inhalation	Long-term systemic effects	0,05 mg/m <sup>3</sup>
	Consumers	Ingestion	Long-term systemic effects	0,06 mg/kg bw/day
	Consumers	Ingestion	Acute systemic effects	0,10 mg/kg bw/day
	Consumers	Skin contact	Acute systemic effects	0,10 mg/kg bw/day
	Consumers	Inhalation	Long-term local effects	0,08 mg/m <sup>3</sup>
	Consumers	Skin contact	Long-term systemic effects	0,10 mg/kg bw/day
	Workers	Inhalation	Acute systemic effects	0,80 mg/m <sup>3</sup>
	Workers	Inhalation	Acute systemic effects	0,95 mg/m <sup>3</sup>
	Workers	Inhalation	Acute local effects	0,80 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term systemic effects	0,40 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term systemic effects	0,19 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	0,40 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	0,32 mg/m <sup>3</sup>
	Workers	Skin contact	Acute systemic effects	0,20 mg/kg bw/day
	Workers	Skin contact	Long-term systemic effects	0,20 mg/kg bw/day
	Consumers	Inhalation	Acute systemic effects	

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

Substance name	Environmental Compartment	Value
maleic anhydride	Fresh water	0,075 mg/l
	Fresh water sediment	0,334 mg/kg dry weight (d.w.)
	Soil	0,0415 mg/kg dry weight (d.w.)
	Marine water	0,01 mg/l
	Intermittent use/release	0,4281 mg/l
	Sewage treatment plant	44,6 mg/l
	Soil	0,01 mg/kg dry weight (d.w.)
	Marine water	0,0075 mg/l
	Secondary Poisoning	6,67 mg/kg food
	Fresh water	0,1 mg/l

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	Sewage treatment plant	4,46 mg/l
	Marine sediment	0,006 mg/kg dry weight (d.w.)
	Fresh water sediment	0,06 mg/kg dry weight (d.w.)
	Intermittent use/release	0,75 mg/l
	Marine sediment	0,0334 mg/kg dry weight (d.w.)

### 8.2 Exposure controls

#### Personal protective equipment

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 : 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.

During spray application: impervious clothing

Respiratory protection : No personal respiratory protective equipment normally required.

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



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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	:	50 °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	:	0,9500 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)
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 : 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:

##### **4,5-dichloro-2-octyl-2H-isothiazol-3-one:**

Acute oral toxicity : LD50 (Rat): > 500 mg/kg

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

##### **2-octyl-2H-isothiazol-3-one:**

Acute oral toxicity : LD50 (Rat, male): 318 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 0,58 mg/l  
Exposure time: 4 h

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Test atmosphere: dust/mist  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): 311 mg/kg  
Method: OECD Test Guideline 402

### maleic anhydride:

Acute oral toxicity : LD50 (Rat, male and female): 1.090 mg/kg  
Method: OECD Test Guideline 401

### Skin corrosion/irritation

#### Product:

Remarks : May cause skin irritation in susceptible persons.

#### Components:

##### maleic anhydride:

Species : Rabbit  
Assessment : Causes burns.

### 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.

#### Components:

##### maleic anhydride:

Species : Rabbit  
Assessment : Causes burns.

### Respiratory or skin sensitisation

#### Product:

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

#### Components:

##### maleic anhydride:

Species : Rat  
Result : Causes sensitisation.

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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

##### Components:

##### **methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

M-Factor (Acute aquatic toxicity) : 1

##### **4,5-dichloro-2-octyl-2H-isothiazol-3-one:**

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 10

##### **2-octyl-2H-isothiazol-3-one:**

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

##### Components:

##### **Fatty acids, C14-18 and C16-18-unsatd., maleated, reaction products with oleylamine:**

Partition coefficient: n-octanol/water : Pow: > 6,2 (25 °C)

##### **2-octyl-2H-isothiazol-3-one:**

Partition coefficient: n-octanol/water : log Pow: 2,92  
Method: OECD Test Guideline 117

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

##### Product:

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

## 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  
IMDG : PAINT  
IATA : Paint

### 14.3 Transport hazard class(es)

ADN : 3  
ADR : 3  
RID : 3

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**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 : Class 3 - Flammable liquids

#### IATA (Passenger)

Packing instruction (passenger aircraft) : 355  
Packing instruction (LQ) : Y344  
Packing group : III  
Labels : Class 3 - 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

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

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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

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) : 2 significantly water endangering Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and paints / Giscode : M-KH02F Solvent-based varnishes / wood glaze, aromatics removed, active agents

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

Volatile organic compounds : Directive 2004/42/EC

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< 38 %  
< 360 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.
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.
H331	:	Toxic if inhaled.
H334	:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336	:	May cause drowsiness or dizziness.
H372	:	Causes damage to organs through prolonged or repeated exposure.
H373	:	May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Asp. Tox.	:	Aspiration hazard
Eye Dam.	:	Serious eye damage
Flam. Liq.	:	Flammable liquids
Resp. Sens.	:	Respiratory sensitisation
Skin Corr.	:	Skin corrosion
Skin Irrit.	:	Skin irritation
Skin Sens.	:	Skin sensitisation
STOT RE	:	Specific target organ toxicity - repeated exposure
STOT SE	:	Specific target organ toxicity - single exposure
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 - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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 -



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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; 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
Aquatic Chronic 3	H412

#### **Classification procedure:**

Based on product data or assessment
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.

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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. This will be put into practice depending on the register-deadline of the substances involved during the transition period from December 1, 2010 till May 31, 2018.

DE / EN