

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

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

1.1 Product identifier

Trade name : Capalac Aqua 2K-PU-Lack Masse Basis W

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

Use of the Sub-
stance/Mixture : Polyurethane-resin-based coating material, solvent-containing

Recommended restrictions : within adequate application - none
on use

1.3 Details of the supplier of the safety data sheet

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

Telephone : +496154710
Telefax : +4961547170222

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

1.4 Emergency telephone

Emergency telephone 1 : +49613284463 GBK GmbH

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

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

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

Hazard Statements : H317 May cause an allergic skin reaction.

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

Prevention:
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/ eye protection.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous ingredients which must be listed on the label:

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

Additional Labeling

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.

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Polyacrylate-based lacquer, aqueous

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version 3.0 Revision Date: 23.05.2023 SDS Number: 6007265 Date of last issue: 23.11.2021
Date of first issue: 11.11.2019

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μm]	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351	\geq 20 - < 30
2-butoxyethanol	111-76-2 203-905-0 603-014-00-0 01-2119475108-36	Acute Tox. 4; H302 Acute Tox. 3; H331 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Acute toxicity estimate Acute oral toxicity: 1.200 mg/kg Acute inhalation toxicity (vapor): 3 mg/l	\geq 0,1 - < 1
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6 01-2120761540-60	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 Acute Tox. 2; H330 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 specific concentration limit Skin Sens. 1; H317 \geq 0,05 %	\geq 0,0025 - < 0,025
2-methylisothiazol-3(2H)-one	2682-20-4 220-239-6 613-326-00-9 01-2120764690-50	Acute Tox. 2; H330 Acute Tox. 3; H311 Acute Tox. 3; H301 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1;	\geq 0,0025 - < 0,025

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version 3.0 Revision Date: 23.05.2023 SDS Number: 6007265 Date of last issue: 23.11.2021
Date of first issue: 11.11.2019

		H400 Aquatic Chronic 1; H410 EUH071	
		M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 1	
		specific concentration limit Skin Sens. 1A; H317 >= 0,0015 %	
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9 613-167-00-5 01-2120764691-48	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 2; H310 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071	<= 0,0002
		M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100	
		specific concentration limit Skin Corr. 1C; H314 >= 0,6 % Skin Irrit. 2; H315 0,06 - < 0,6 % Eye Irrit. 2; H319 0,06 - < 0,6 % Skin Sens. 1A; H317 >= 0,0015 % Eye Dam. 1; H318 >= 0,6 %	

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : Show this material safety data sheet to the doctor in attendance.
When symptoms persist or in all cases of doubt seek medical advice.
Move out of dangerous area.
First aider needs to protect himself.
Never give anything by mouth to an unconscious person.
- 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.
- 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 : Clean mouth with water and drink afterwards plenty of water.
If accidentally swallowed obtain immediate medical attention.
If swallowed, DO NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Foam
Carbon dioxide (CO₂)

Unsuitable extinguishing media : Water

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 fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. 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. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Evacuate personnel to safe areas. 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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

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.
Avoid exceeding the given occupational exposure limits (see section 8).
Provide sufficient air exchange and/or exhaust in work rooms.
Contains isocyanates. Please, attend to producer's advice.
Liquid product may irritate and sensitize skin and respiratory tract and may cause allergic reaction. Do not inhale vapours.
Take care for sufficient fresh air supply during and after use.
Product must not be sprayed. Allergics or persons tending to respiratory tract diseases must not be involved in operations with this product.

In addition, the current technical information for this product and its application on www.caparol.com must be observed.

Advice on protection against fire and explosion : Vapors may form explosive mixtures with air. Vapors 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 : Keep working clothes separately. Remove and wash contaminated clothing before re-use. 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. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Store between 41 and 77 °F 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.

Storage class (TRGS 510) : 10

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version 3.0 Revision Date: 23.05.2023 SDS Number: 6007265 Date of last issue: 23.11.2021
Date of first issue: 11.11.2019

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 $\leq 10 \mu\text{m}$]	13463-67-7	AGW (Inhalable fraction)	10 mg/m ³ (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 fraction)	1,25 mg/m ³ (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		
		BM (Alveolar dust fraction)	0,5 mg/m ³	DE TRGS 527
2-butoxyethanol	111-76-2	TWA	20 ppm 98 mg/m ³	2000/39/EC
		Further information: Identifies the possibility of significant uptake through the skin, Indicative		
		STEL	50 ppm 246 mg/m ³	2000/39/EC
		Further information: Identifies the possibility of significant uptake through the skin, Indicative		
		AGW	10 ppm 49 mg/m ³	DE TRGS 900
		Peak-limit category: 2;(I)		
		Further information: Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
2-butoxyethanol	111-76-2	butoxy acetic acid: 150 mg/g Creatinine (Urine)	In case of long-term exposure: after more than one shift, Immedi-	TRGS 903

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version 3.0 Revision Date: 23.05.2023 SDS Number: 6007265 Date of last issue: 23.11.2021
Date of first issue: 11.11.2019

			ately after expo- sure or after work- ing hours	
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Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of expo- sure	Potential health ef- fects	Value
titanium dioxide; [in powder form contain- ing 1 % or more of particles with aerody- namic 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/m ³
propane-1,2-diol	Consumers	Inhalation	Long-term systemic effects	50,00 mg/m ³
	Consumers	Inhalation	Long-term local ef- fects	10,00 mg/m ³
	Workers	Inhalation	Long-term systemic effects	168,00 mg/m ³
	Workers	Inhalation	Long-term systemic effects	168,00 mg/m ³
	Workers	Inhalation	Long-term local ef- fects	10,00 mg/m ³
	Workers	Inhalation	Long-term local ef- fects	10,00 mg/m ³
	Consumers	Inhalation	Long-term systemic effects	50,00 mg/m ³
	Consumers	Inhalation	Long-term local ef- fects	10,00 mg/m ³
1-(2-butoxy-1- methylethoxy)propan- 2-ol	Consumers	Inhalation	Long-term systemic effects	1,20 mg/m ³
	Consumers	Ingestion	Long-term systemic effects	7,50 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	1,10 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	10,00 mg/m ³
	Workers	Skin contact	Long-term systemic effects	3,00 mg/kg bw/day
Silicic acid, aluminum sodium salt	Workers	Inhalation	Long-term local ef- fects	4,00 mg/m ³
2-butoxyethanol	Consumers	Inhalation	Long-term systemic effects	59,00 mg/m ³
	Consumers	Ingestion	Acute systemic ef- fects	26,70 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic	75,00 mg/kg

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version 3.0 Revision Date: 23.05.2023 SDS Number: 6007265 Date of last issue: 23.11.2021
Date of first issue: 11.11.2019

			effects	bw/day
	Consumers	Skin contact	Acute systemic effects	89,00 mg/kg bw/day
	Consumers	Inhalation	Acute local effects	147,00 mg/m ³
	Consumers	Ingestion	Long-term systemic effects	6,30 mg/kg bw/day
	Consumers	Inhalation	Acute systemic effects	426,00 mg/m ³
	Workers	Inhalation	Acute systemic effects	1091,00 mg/m ³
	Workers	Inhalation	Acute local effects	246,00 mg/m ³
	Workers	Inhalation	Long-term systemic effects	98,00 mg/m ³
	Workers	Skin contact	Acute systemic effects	89,00 mg/kg bw/day
	Workers	Skin contact	Long-term systemic effects	125,00 mg/kg bw/day

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

Substance name	Environmental Compartment	Value
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter \leq 10 μ m]	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
propane-1,2-diol	Sea sediment	57,2 mg/kg dry weight (d.w.)
	Soil	50 mg/kg dry weight (d.w.)
	Sea water	26 mg/l
	Fresh water sediment	572 mg/kg dry weight (d.w.)
	Fresh water	260 mg/l
1-(2-butoxy-1-methylethoxy)propan-2-ol	Intermittent use/release	183 mg/l
	Sewage treatment plant	20000 mg/l
	Sewage treatment plant	100 mg/l
	Fresh water	0,519 mg/l
	Soil	0,287 mg/kg dry weight (d.w.)
	Intermittent use/release	5,19 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version 3.0 Revision Date: 23.05.2023 SDS Number: 6007265 Date of last issue: 23.11.2021
Date of first issue: 11.11.2019

	Fresh water sediment	2,96 mg/kg dry weight (d.w.)
	Sea water	0,0519 mg/l
	Sea sediment	0,296 mg/kg dry weight (d.w.)
2-butoxyethanol	Sea sediment	3,46 mg/kg dry weight (d.w.)
	Intermittent use/release	9,1 mg/l
	Secondary Poisoning	0,02 g/kg food
	Sewage treatment plant	463 mg/l
	Sea water	0,88 mg/l
	Fresh water sediment	34,6 mg/kg dry weight (d.w.)
	Soil	2,33 mg/kg dry weight (d.w.)
	Fresh water	8,8 mg/l

8.2 Exposure controls

Personal protective equipment

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

Goggles

Hand protection

Material : butyl-rubber
Glove thickness : 0,3 mm
Protective index : Class 3
Wearing time : 30 min

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.
DGUV Regulation 112-195 - Use of protective gloves

Skin and body protection : Safety shoes
Long sleeved clothing
Remove and wash contaminated clothing before re-use.
Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.

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 : When exceeding the WEL substance Limit a respiratory filter

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

Type A is necessary. Class 1 or 2 has to be chosen depending on the workplace concentration.
Do not use for spraying.

DGUV Regulation 112-190 - Use of breathing equipment

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

Physical state	:	liquid
Color	:	white
Odor	:	No data available
Odor Threshold	:	Not relevant
Melting point/freezing point	:	not determined
Boiling point/boiling range	:	not determined
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	Not applicable
Autoignition temperature	:	not determined
Decomposition temperature	:	Not applicable
pH	:	6,95 Concentration: 10 %
Viscosity	:	
Viscosity, dynamic	:	No data available
Solubility(ies)	:	
Water solubility	:	partly miscible
Partition coefficient: n-octanol/water	:	not determined

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

Vapor pressure : not determined
Relative density : not determined
Density : 1,2600 g/cm³
Relative vapor density : Heavier than air.

9.2 Other information

Explosives : Not applicable
Oxidizing properties : Not applicable
Flammability (liquids) : Sustains combustion
Evaporation rate : Not applicable

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 : Amines and alcohols cause exothermic reactions.
Mixture reacts slowly with water resulting in evolution of CO₂.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Materials to avoid : Amines
Incompatible with oxidizing agents.
Incompatible with acids and bases.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

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.**

Product:

Acute inhalation toxicity : **Acute toxicity estimate: > 20 mg/l**
Exposure time: **4 h**
Test atmosphere: **vapor**
Method: **Calculation method**

Components:

2-butoxyethanol:

Acute oral toxicity : Acute toxicity estimate: 1.200 mg/kg
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute inhalation toxicity : Acute toxicity estimate: 3 mg/l
Test atmosphere: vapor
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

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

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

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

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

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

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

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

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

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

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

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

Skin corrosion/irritation

|| Not classified based on available information.

Serious eye damage/eye irritation

|| Not classified based on available information.

Respiratory or skin sensitization

Skin sensitization

|| May cause an allergic skin reaction.

Respiratory sensitization

|| Not classified based on available information.

Germ cell mutagenicity

|| Not classified based on available information.

Carcinogenicity

|| Not classified based on available information.

Reproductive toxicity

|| Not classified based on available information.

STOT-single exposure

|| Not classified based on available information.

STOT-repeated exposure

|| Not classified based on available information.

Aspiration toxicity

|| Not classified based on available information.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

SECTION 12: Ecological information

12.1 Toxicity

Components:

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

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

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

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

M-Factor (Acute aquatic tox- : 1
icity)

M-Factor (Chronic aquatic : 1
toxicity)

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

M-Factor (Acute aquatic tox- : 10
icity)

M-Factor (Chronic aquatic : 1
toxicity)

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

M-Factor (Acute aquatic tox- : 100
icity)

M-Factor (Chronic aquatic : 100
toxicity)

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

Components:

2-butoxyethanol:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

Version	Revision Date:	SDS Number:	Date of last issue: 23.11.2021
3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

Partition coefficient: n-octanol/water : log Pow: 0,81 (25 °C)
pH: 7

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

Partition coefficient: n-octanol/water : log Pow: <= 0,71
Method: OECD Test Guideline 117

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Uncured product residues and unpurified packaging should be disposed of as hazardous waste.
Waste should not be disposed of via wastewater.

Material residues: Allow the basic substance to harden with hardener and dispose of as paint waste.

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

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3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

Waste Code : used product
080111*, waste paint and varnish containing organic solvents
or other dangerous substances

SECTION 14: Transport information

14.1 UN number or ID number

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

14.2 UN proper shipping name

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

14.3 Transport hazard class(es)

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

14.4 Packing group

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

14.5 Environmental hazards

Not regulated as a dangerous good

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

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3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

14.6 Special precautions for user

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

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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

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 generated.

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

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

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

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

Water hazard class (Germany) : WGK 2 obviously hazardous to water
Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and paints / Giscode : PU50 PU systems, containing solvents, harmful, sensitising

. : PU50 PU systems, containing solvents, harmful, sensitising

Volatile organic compounds : Directive 2004/42/EC

SAFETY DATA SHEET

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DE / EN

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< 9 %
< 110 g/l

Other regulations:

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

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

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

SECTION 16: Other information

Full text of H-Statements

H301	: Toxic if swallowed.
H302	: Harmful if swallowed.
H310	: Fatal in contact with skin.
H311	: Toxic in contact with skin.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H330	: Fatal if inhaled.
H331	: Toxic if inhaled.
H351	: Suspected of causing cancer if inhaled.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.
EUH071	: Corrosive to the respiratory tract.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Skin Corr.	: Skin corrosion
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitization
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
DE TRGS 527	: Germany. TRGS 527 - Activities with nanomaterials
DE TRGS 900	: Germany. TRGS 900 - Occupational exposure limit values.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

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3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

TRGS 903	:	TRGS 903 - Biological limit values
2000/39/EC / TWA	:	Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
DE TRGS 527 / BM	:	Assessment scale
DE TRGS 900 / AGW	:	Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECS - 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; TECL - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information:

No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.

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

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

ECHA WebSite

ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs.

Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH

NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

Toxnet - Toxicology Data Network

Classification of the mixture:

Skin Sens. 1

H317

Classification procedure:

Calculation method

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

Capalac Aqua 2K-PU-Lack Masse Basis W

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3.0	23.05.2023	6007265	Date of first issue: 11.11.2019

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

REACH Information

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

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