

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

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

1.1 Product identifier

Trade name : Capalac Dickschichtlack Weiß

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

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)

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

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

Long-term (chronic) aquatic hazard, Category 3 H412: Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements :
H226 Flammable liquid and vapor.
H336 May cause drowsiness or dizziness.
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.

Response:

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P405 Store locked up.

Hazardous ingredients which must be listed on the label:

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha
n-butyl acetate

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

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 : 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; Low boiling point hydrogen treated naphtha	64742-48-9 265-150-3 649-327-00-6 01-2119457273-39, 01-2119463258-33	Flam. Liq. 3; H226 STOT SE 3; H336 Asp. Tox. 1; H304 EUH066	>= 20 - < 30
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351	>= 10 - < 20
aluminium dihydrogen triphosphate	13939-25-8 237-714-9 01-2119970565-28	Eye Irrit. 2; H319	>= 1 - < 10
n-butyl acetate	123-86-4 204-658-1 607-025-00-1 01-2119485493-29	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) EUH066	>= 1 - < 10
zinc oxide	1314-13-2 215-222-5 030-013-00-7 01-2119463881-32, 01-2120089607-43, 01-2120767291-53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 1 - < 2,5
Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	64742-48-9 265-150-3 649-327-00-6 01-2119457273-39, 01-2119463258-33, 01-2119486659-16	Asp. Tox. 1; H304 EUH066	>= 1 - < 10
2-dimethylaminoethanol	108-01-0 203-542-8	Flam. Liq. 3; H226 Acute Tox. 4; H302	>= 0,1 - < 1

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version 2.2	Revision Date: 06.09.2023	SDS Number: 6010490	Date of last issue: 01.03.2022 Date of first issue: 14.11.2019
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	603-047-00-0 01-2119492298-24	Acute Tox. 3; H331 Acute Tox. 4; H312 Skin Corr. 1B; H314 STOT SE 3; H335 (Respiratory system) specific concentration limit STOT SE 3; H335 ≥ 5 %	
Substances with a workplace exposure limit :			
(2-methoxymethylethoxy)propanol	34590-94-8 252-104-2 01-2119450011-60		≥ 1 - < 10
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6 238-877-9 01-2120140278-58		≥ 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 : 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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

4.2 Most important symptoms and effects, both acute and delayed

Risks : May cause drowsiness or dizziness.
Repeated exposure may cause skin dryness or cracking.

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.
Do not use a solid water stream as it may scatter and spread fire.

Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : 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 : 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.
Ensure adequate ventilation.
Remove all sources of ignition.

6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
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DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

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 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. Remove contaminated clothing and protec-
tive 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) : 3

7.3 Specific end use(s)

Specific use(s) : This information is not available.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
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DE / EN

Capalac Dickschichtlack Weiß

Version 2.2 Revision Date: 06.09.2023 SDS Number: 6010490 Date of last issue: 01.03.2022
Date of first issue: 14.11.2019

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 ydrogen treated naphtha	64742-48-9	AGW	300 mg/m3	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: Group exposure limit for hydrocarbon solvent mixtures			
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/m3 (Titanium dioxide)	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		AGW (Alveolate fraction)	1,25 mg/m3 (Titanium dioxide)	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		BM (Alveolar dust fraction)	0,5 mg/m3	DE TRGS 527
(2-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm 308 mg/m3	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		AGW (Vapour and aerosols)	50 ppm 310 mg/m3	DE TRGS 900
	Peak-limit category: 1;(I)			
Talc (Mg3H2(SiO3)4)	14807-96-6	AGW (Inhalable fraction)	10 mg/m3	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/m3	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: When there is compliance with the OEL and biological			

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version 2.2 Revision Date: 06.09.2023 SDS Number: 6010490 Date of last issue: 01.03.2022
Date of first issue: 14.11.2019

		tolerance values, there is no risk of harming the unborn child		
		BM (Alveolar dust fraction)	0,5 mg/m ³	DE TRGS 527
n-butyl acetate	123-86-4	STEL	150 ppm 723 mg/m ³	2019/1831/EU
	Further information: Indicative			
		TWA	50 ppm 241 mg/m ³	2019/1831/EU
	Further information: Indicative			
		AGW	62 ppm 300 mg/m ³	DE TRGS 900
	Peak-limit 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			
Naphtha (petroleum), hydrotreated heavy; Low boiling point ydrogen treated naphtha	64742-48-9	AGW	300 mg/m ³	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: Group exposure limit for hydrocarbon solvent mixtures			

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

Substance name	End Use	Routes of exposure	Potential health effects	Value
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
	Workers	Inhalation	Long-term local effects	10,00 mg/m ³
(2-methoxymethylethoxy)propanol	Consumers	Ingestion	Long-term systemic effects	0,33 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	475,00 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	202,00 mg/m ³
	Consumers	Ingestion	Long-term systemic effects	36,00 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	121,00 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	37,20 mg/m ³
	Workers	Inhalation	Long-term systemic effects	308,00 mg/m ³

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version 2.2 Revision Date: 06.09.2023 SDS Number: 6010490 Date of last issue: 01.03.2022
Date of first issue: 14.11.2019

	Workers	Inhalation	Long-term systemic effects	404,00 mg/m ³
	Workers	Skin contact	Long-term systemic effects	283,00 mg/kg bw/day
	Workers	Skin contact	Long-term systemic effects	950,00 mg/kg bw/day
n-butyl acetate	Workers	Inhalation	Long-term systemic effects	48,00 mg/m ³
	Workers	Inhalation	Acute systemic effects	600,00 mg/m ³
	Workers	Inhalation	Long-term local effects	300 mg/m ³
	Workers	Inhalation	Acute local effects	600 mg/m ³
	Workers	Skin contact	Long-term systemic effects	7,00 mg/kg bw/day
	Workers	Skin contact	Acute systemic effects	11 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	12,00 mg/m ³
	Consumers	Inhalation	Acute systemic effects	300 mg/m ³
	Consumers	Inhalation	Long-term local effects	35,7 mg/m ³
	Consumers	Inhalation	Acute local effects	300 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	3,40 mg/kg bw/day
	Consumers	Skin contact	Acute systemic effects	6 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	2 mg/kg bw/day
	Consumers	Ingestion	Acute systemic effects	2 mg/kg bw/day
zinc oxide	Consumers	Skin contact	Long-term systemic effects	83,00 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	2,50 mg/m ³
	Consumers	Ingestion	Long-term systemic effects	0,83 mg/kg bw/day
	Workers	Skin contact	Long-term systemic effects	83,00 mg/kg bw/day
	Workers	Inhalation	Long-term local effects	0,50 mg/m ³
	Workers	Inhalation	Long-term systemic effects	5,00 mg/m ³
2-dimethylaminoethanol	Workers	Inhalation	Acute systemic effects	22,00 mg/m ³
	Workers	Inhalation	Acute local effects	22,00 mg/m ³
	Workers	Inhalation	Long-term systemic effects	7,40 mg/m ³

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version 2.2 Revision Date: 06.09.2023 SDS Number: 6010490 Date of last issue: 01.03.2022
Date of first issue: 14.11.2019

			effects	
	Workers	Inhalation	Long-term local effects	7,40 mg/m ³
	Workers	Skin contact	Acute systemic effects	5,00 mg/kg bw/day
	Workers	Skin contact	Acute local effects	80,00 µg/cm ²
	Workers	Skin contact	Long-term systemic effects	1,04 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 ≤ 10 µm]	Sewage treatment plant	100 mg/l
	Fresh water	0,184 mg/l
	Soil	100 mg/kg dry weight (d.w.)
	Sea water	0,0184 mg/l
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
(2-methoxymethylethoxy)propanol	Sea sediment	100 mg/kg dry weight (d.w.)
	Intermittent use/release	0,193 mg/l
	Soil	2,2 mg/kg dry weight (d.w.)
	Intermittent use/release	192 mg/l
	Fresh water	19,2 mg/l
	Sewage treatment plant	4168 mg/l
	Sea water	1,92 mg/l
	Intermittent use/release	190 mg/l
	Fresh water sediment	70,2 mg/kg dry weight (d.w.)
	Sea water	1,9 mg/l
n-butyl acetate	Soil	2,74 mg/kg dry weight (d.w.)
	Sea sediment	7,02 mg/kg dry weight (d.w.)
	Fresh water	19 mg/l
	Fresh water sediment	0,981 mg/kg dry weight (d.w.)
	Soil	0,0903 mg/kg dry weight (d.w.)
	Sea sediment	0,0981 mg/kg dry weight (d.w.)
	Intermittent use/release	0,36 mg/l
	Sewage treatment plant	35,6 mg/l
	Sea water	0,018 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

	Fresh water	0,18 mg/l
zinc oxide	Fresh water sediment	117,8 mg/kg dry weight (d.w.)
	Sea water	6,1 µg/l
	Fresh water	20,6 µg/l
	Sea sediment	56,5 mg/kg dry weight (d.w.)
	Sewage treatment plant	100 µg/l
	Soil	35,6 mg/kg dry weight (d.w.)
2-dimethylaminoethanol	Sewage treatment plant	10 mg/l
	Sea water	0,00661 mg/l
	Fresh water sediment	0,0529 mg/kg dry weight (d.w.)
	Intermittent use/release	0,0661 mg/l
	Soil	0,0177 mg/kg dry weight (d.w.)
	Fresh water	0,0661 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 : 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.
DGUV Regulation 112-195 - Use of protective gloves

Skin and body protection : Safety shoes
Long sleeved clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Skin should be washed after contact.

During spray application: impervious clothing

Respiratory protection : No personal respiratory protective equipment normally re-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

quired.

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	:	41,5 °C Method: ISO 1523
Autoignition temperature	:	not determined
Decomposition temperature	:	Not applicable
pH	:	6,95 Concentration: 10 %

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 21 mm ² /s (40 °C) Method: ISO 3104/3105
Flow time	:	> 60 s Cross section: 6 mm Method: ISO 2431
Solubility(ies)		
Water solubility	:	partly miscible
Partition coefficient: n-octanol/water	:	not determined
Vapor pressure	:	not determined
Relative density	:	not determined
Density	:	1,2900 g/cm ³
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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

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 : Vapors 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 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:

n-butyl acetate:

Acute oral toxicity : LD50 Oral (Rat): 14.000 mg/kg

2-dimethylaminoethanol:

Acute oral toxicity : LD50 (Rat): 1.183 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 6,1 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

Exposure time: 4 h
Test atmosphere: vapor
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): 1.219 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Components:

2-dimethylaminoethanol:

Species	: Rabbit
Assessment	: Corrosive
Method	: OECD Test Guideline 404
Result	: Corrosive

Serious eye damage/eye irritation

Not classified based on available information.

Components:

aluminium dihydrogen triphosphate:

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: Irritating to eyes.

2-dimethylaminoethanol:

Species	: Rabbit
Assessment	: Risk of serious damage to eyes.
Method	: OECD Test Guideline 405
Result	: Irreversible effects on the eye

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

2-dimethylaminoethanol:

Test Type	: Buehler Test
Routes of exposure	: Dermal
Species	: Guinea pig

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

Assessment	:	Does not cause skin sensitization.
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitization.

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

May cause drowsiness or dizziness.

Components:

2-dimethylaminoethanol:

Routes of exposure	:	Inhalation
Target Organs	:	Upper respiratory tract
Assessment	:	May cause respiratory irritation.

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.
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SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

12.3 Bioaccumulative potential

Components:

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:

Partition coefficient: n-octanol/water : log Pow: 1,99 - 18,02 (20 °C)
pH: 7

n-butyl acetate:

Partition coefficient: n-octanol/water : log Pow: 2,3 (25 °C)
Method: OECD Test Guideline 117

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:

Partition coefficient: n-octanol/water : log Pow: 1,99 - 18,02 (20 °C)
pH: 7

(2-methoxymethylethoxy)propanol:

Partition coefficient: n-octanol/water : Pow: 1,01 (25 °C)

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

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 or ID 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)

	Class	Subsidiary risks
ADN	: 3	
ADR	: 3	
RID	: 3	
IMDG	: 3	
IATA	: 3	

14.4 Packing group

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

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

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 liters, not

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version 2.2	Revision Date: 06.09.2023	SDS Number: 6010490	Date of last issue: 01.03.2022 Date of first issue: 14.11.2019
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goods/merchandise of Class 3
IMDG: Packages smaller than or equal to 450 liters, 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 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. 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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

streams),(d) heavy fuel oils (e)
alternative fuels serving the same
purposes and with similar proper-
ties as regards flammability and
environmental hazards as the
products referred to in points (a)
to (d)

- Water hazard class (Germa- : WGK 1 slightly water endangering
ny) Classification according to AwSV, Annex 1 (5.2)
- Product code for laquers and : M-LL01 Alkyd resin varnishes, aromatics removed
paints / Giscode
- . : BSL20 Coating materials, solvent-based, aromatic-free, clas-
sified
- Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial
emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 30,27 %
- Volatile organic compounds : Directive 2004/42/EC
< 31 %
< 400 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 mixture.

SECTION 16: Other information

Full text of H-Statements

- H226 : Flammable liquid and vapor.
H302 : Harmful if swallowed.
H304 : May be fatal if swallowed and enters airways.
H312 : Harmful in contact with skin.
H314 : Causes severe skin burns and eye damage.
H319 : Causes serious eye irritation.
H331 : Toxic if inhaled.
H335 : May cause respiratory irritation.
H336 : May cause drowsiness or dizziness.
H351 : Suspected of causing cancer if inhaled.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.
EUH066 : Repeated exposure may cause skin dryness or cracking.

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
Carc. : Carcinogenicity
Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
Skin Corr. : Skin corrosion
STOT SE : Specific target organ toxicity - single exposure
2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2019/1831/EU : Europe. Commission Directive 2019/1831/EU establishing a fifth 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.
2000/39/EC / TWA : Limit Value - eight hours
2019/1831/EU / TWA : Limit Value - eight hours
2019/1831/EU / 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; 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 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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended
by Commission Regulation (EU) 2020/878



DE / EN

Capalac Dickschichtlack Weiß

Version	Revision Date:	SDS Number:	Date of last issue: 01.03.2022
2.2	06.09.2023	6010490	Date of first issue: 14.11.2019

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:

Flam. Liq. 3	H226
STOT SE 3	H336
Aquatic Chronic 3	H412

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.

REACH Information

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

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

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